

The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

FEBRUARY 7 1953

It's the flavour children love

Allenburys
EXTRACT OF
**MALT with
COD-LIVER OIL**



ALLEN & HANBURY'S LTD LONDON E2



**Requested
everywhere**

150 YEARS IN THE SPONGE TRADE

For the widest range of the finest sponges specify "RELiance"—the brand name of all Cresswell's Sponges

As the largest bulk buyers of Natural Sea Sponges, Cresswell's get the best when the sponge crop is fished.

Varied assortments of popular priced Reliance Honeycomb and Fine Turkey Sponges are now available in special partitioned display boxes. Each sponge is transparent wrapped for hygiene. Please write for price lists and details.

Your enquiries for sponges will receive our expert attention and a representative will gladly call on request.

CRESSWELL BROS. SPONGES



(World Natural Sponge Suppliers Ltd.)

Largest Processors and Stockists of Natural Sea Sponges in the World

INTERNATIONAL BUILDING, BUCK STREET, CAMDEN TOWN, LONDON, N.W.1

Telephone: GULliver 5462-3

Telegrams: Sponge, Norwest, London

IMPORTANT CHANGE IN RETAIL CHEMIST TRADE

Yorkshire chemist explains recent trends

"DURING the last nine months I have been struck by a very definite change in the purchasing habits of my customers. I have noticed that sales of many higher priced products — even well known ones — have been dropping considerably. My customers, from all social classes, have still been demanding top quality products but they are less prepared to pay fancy prices for them. In other words they are determined to get the utmost value for their money.

I have therefore made a point of meeting my customers' altered needs by looking out for products which still give top quality but at more reasonable prices.



FINDING THE RIGHT PRODUCTS

Following up this policy, I began searching for a product to take the place of the more expensive brands of germicides. After making my own tests and experiments with various products, I came to the conclusion that one of them was quite outstanding — and that was Ibcol. It is an all-purpose germicide, containing ten active ingredients, and that is why it is regularly used in leading hospitals. The price, however, is so reasonable that everyone can afford to use it.

I decided, therefore, to give Ibcol a trial in my shop, and I'm very glad I did. I bought a dozen bottles just to see if my theory was correct, gave them a good display on my main counter and in three or four days had sold them all. Since then, I have been stocking Ibcol regularly and, except for one week, my sales have been going

★ It is quite clear from the evidence of this chemist and thousands like him that the public are becoming increasingly insistent on getting value for money. They know that in Ibcol they have a top quality all-purpose germicide but at such a reasonable price they can afford to use it everywhere. That is why it pays to display Ibcol where your customers can see it all the time. ★

up steadily all the time. I find the 8 oz. and 16 oz. bottles sell best in my shop.

VALUE OF DISPLAY

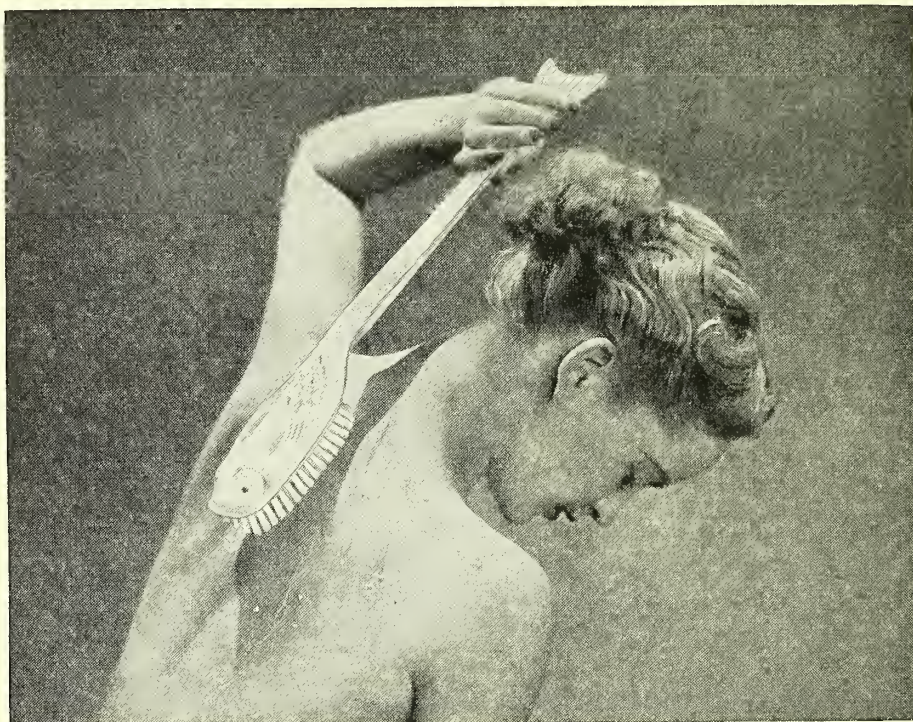
Finding there was a genuine demand for Ibcol, I have been stimulating sales still more by giving it a small but prominent display all the time. It is all the easier to do this because Ibcol comes ready packed in handy display cartons. All you have to do is to open them and there you are with smart looking displays all ready for your counter or window — bringing increased profit without taking up a lot of room. I'm sure Ibcol displays are very important. People come in with prescriptions and then seeing Ibcol, are reminded to buy a bottle of that as well — which means of course, valuable *extra* business."

This particular chemist's experience of Ibcol is similar to thousands of others. If you are not already stocking Ibcol please write to Ibbetson's, River Road, Barking, Essex.



★ Ibcol, the all-purpose germicide disinfectant is ideal for display in a chemist's shop. A really first-class product — backed by national advertising. Attractive, neat and handy display cartons. Reasonable prices. It has everything in its favour. ★

NEW *Dolphin* BATHBRUSH



"Big brother" to the Dolphin Nailbrush.

These two sculptured brushes make a superb pair for the bathroom. Non-slip hold.

Translucent colours—blue, green, pink, iridescent and pearl. BATHBRUSH retails at 18/6 bristle, 11/6 nylon, and is presented in attractive window box. Nailbrush, nylon, retails at 6/6.

Miniature nailbrush 3/-.

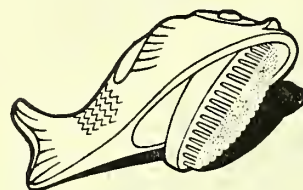
AND

Dolphin

NAILBRUSH

BY

HUGHES



Hughes

BRUSHES LTD.

240/242 BATH ROAD, SLOUGH, BUCKS. PHONE SLOUGH 23218

Fine Chemicals

MANUFACTURED BY



NEXT TO PURITY, PHYSICAL CHARACTERISTICS are often a matter of importance to discerning buyers. Evans Fine Chemicals are manufactured with a high degree of technical skill combined with special attention to 'physical characteristics'. Bulk supplies of the following chemicals are available from stock, and samples and quotations will be supplied on request.

ALUMINIUM HYDROXIDE DRIED GEL B.P.C. and U.S.P.

Made to the more exacting standards of the U.S.P. it conforms also to B.P.C. requirements. 1 gm. will neutralise at least 250 ml. N/10 Hydrochloric Acid.

GLYCEROPHOSPHATES *Sodium Glycerophosphate also Iron and Magnesium Salts and Glycerophosphoric Acid.*

QUININE. *Quinine B.P.C. and Quinine Salts.*

CITRATES *Bismuth Citrate B.P.C. Iron and Ammonium Citrate B.P. (Scales, Garnets, or 1 in 2 solution). Iron and Quinine Citrate B.P.C. Potassium Citrate B.P. and Sodium Citrate B.P.*

MAGNESIUM TRISILICATE B.P. and U.S.P. *In the neutralisation test, the preparation will produce an initial neutralisation of 200 ml. in the first 15 minutes and a total neutralisation of 300 ml. in about three hours.*

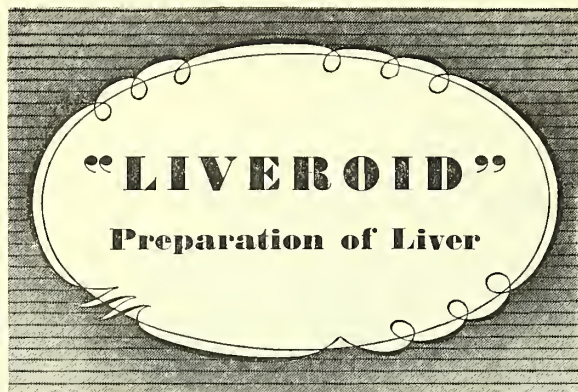
Orders and enquiries to: Sales Department B, Speke, Liverpool 19 or Ruislip, Middlesex

Manufactured at Evans Fine Chemical Works by

EVANS MEDICAL SUPPLIES LTD

LIVERPOOL AND LONDON

418A



A concentrated preparation of the uncoagulated juice of liver, fortified with iron and glycerophosphates.

"LIVEROID" IS EMINENTLY SUITABLE FOR THE TREATMENT OF

Pernicious Anaemia and all forms of Megalocytic Anaemia characterised by a high colour index.

Normocytic or Secondary Anaemias due to loss of blood. Microcytic Hypochromic Anaemias in which iron therapy combined with liver is desirable.

General Debility, Neurasthenia or weakness.

"LIVEROID" IS PLEASANT TO TAKE AND IS EASILY ADMINISTERED IN THE CORRECT DOSAGE

LITERATURE GLADLY FORWARDED UPON REQUEST

OXO LIMITED (Medical Dept.)
Thames House, Queen Street Place,
London, E. C. 4. Phone: Central 9781



The Progress Shaving Brush Co. Ltd.

are pleased to announce the opening of their new showrooms at 92 Regent Street, London, W.1 (one minute from Piccadilly Circus), Telephone No. Regent 4441-2, where they will be pleased to welcome old and new friends to inspect their extensive range of

VULFIX

Pure Bristle and Pure BADGER
SHAVING BRUSHES

Dyspepsia

due to gastritis, hyperchlorhydria, and peptic ulcer should be treated to ensure :

Neutralization of Acidity.

Rapid Symptomatic Relief.

Protective Coating of Ulcer.

Rapid Healing of Mucosa.

The preparation of choice is

BISMUTH CARBONATE

*Illustrated literature on
BISMUTH THERAPY
available from*

Bismuth Research Dept.
MINING & CHEMICAL PRODUCTS LTD.
376 Strand, London, W.C.2

INDEX TO ADVERTISERS

Adelphi Manufacturing Co.	46	Dalmas, Ltd.	39
Advance Industries, Ltd. (Dispel)	19	Daniel, Richard, & Son, Ltd.	13
Albro Fillers & Engineering, Ltd.	48	Duncan, Flockhart & Co., Ltd.	22
Allen & Hanburys, Ltd.	Front Cover	Eade's Pills, Ltd.	38
Bailey, R., & Son, Ltd.	38	Evans Medical Supplies, Ltd.	3
Biorex Laboratories, Ltd.	32	Fatoils, Ltd.	20
Boutalls, Chemists, Ltd.	20	Fassett & Johnson, Ltd.	20
Bowens Camera Repair Service	Col. Supp.	Freder Bros. Paper Mills	10
Box, W. H.	40	Freeman, William, & Co., Ltd.	34
British Drug Houses, Ltd., The	26	Gardiner & Co. (The Scotch House), Ltd.	29
British Dyewood Co., Ltd., The	30	Gibson, Robert, & Sons, Ltd.	10
Burroughs Wellcome & Co.	25	Gillette Industries, Ltd.	43
Cadbury Bros., Ltd.	29	Glover, Thomas, & Son, Ltd.	Leader Page
Calmic, Ltd.	24	Golden (Coloral), Ltd.	23
Carnegie Chemicals (Welwyn), Ltd.	5	Goodall, Backhouse & Co., Ltd.	41
Carter, H. W., & Co., Ltd.	12	Graesser Salicylates, Ltd.	44
Cartwright, W. B., Ltd.	7	Graesser-Thomas, H. W., Ltd.	30
Cellucotton Products, Ltd. (Kleenex)	15	Hamburger, M., & Sons	32
Chemist & Druggist Poisons Guide	50	Hathway, J., & Sons (Bermondsey), Ltd.	Leader Page
Chemist & Druggist (Pharmaceutical Emulsions and Emulsifiers)	44	Horlicks, Ltd.	21
Chemist & Druggist (The Chemists' Dictionary of Synonyms)	Leader Page	Hughes Brushes, Ltd.	2
Giba Laboratories, Ltd.	28	Ibbetson & Co.	1
Coates & Cooper, Ltd.	40	Industrial Tapes, Ltd.	14
Compressed Paper Packing, Ltd.	31	International Bottle Co., Ltd., The	36
Cooper Laboratory, Ltd.	20		
Cox, Arthur H., & Co., Ltd.	8		
Cresswell Bros. Sponges	Cover ii		
Cussons, Sons & Co., Ltd.	Cover iii		
Cuticura Preparations	26		

(continued overleaf)

From the Carnegie Range of Fine Chemicals

THEOBROMINE AND SALTS

CARNEGIE CHEMICALS (WELWYN) LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

Telegrams: CARNECHEM, WELWYN GARDEN

Telephone: WELWYN GARDEN 506 (4 lines)

INDEX (cont.)

Jeffreys, Miller & Co., Ltd.	32	Radiol Chemicals, Ltd.	24
Joeli Safe Co.	32	Rankin Bros. & Sons Leader Page	
Johns, Son & Watts, Ltd.	37	Ransom, Wm., & Son, Ltd.	35
Kay Bros., Ltd.	40	Rapidol, Ltd.	27
Kellys, John (London), Ltd.	38	Rentokil, Ltd.	42
Kemball, Bishop & Co., Ltd.	51	Riddell Products, Ltd.	41
Kennett Price Markers	32	Rose's Lime Juice	22
Kerbina, Ltd.	39	Rozalex, Ltd. Leader Page	
Kerfoot, Thomas, & Co., Ltd.	10	Scurr, C. A. Col. Supp.	
Lastonet Products, Ltd.	38	Shadeine Co.	24
Liptons Paper Mills, Ltd.	45	Steiner Products, Ltd.	6
Macdonald & Son, Ltd.	16	Stewart, Goodall & Dunlop, Ltd.	51
Manesty Machines, Ltd.	13	Surgical Hosiery Co., Ltd.	39
Menley & James, Ltd.	18	Swan Mill Paper Co., Ltd.	9
Mining & Chemical Products, Ltd.	4	Teasdale & Co., Ltd.	42
Montgomery, Daniel, & Son, Ltd.	46	Trapow, D., & Co., Ltd.	33
Murray, S., & Co., Ltd.	46	Tunnel Glucose Refineries, Ltd.	30
Myers of Old Street	32	Tye, John, & Son, Ltd.	31
Niblett, C. P.	32	United Glass Bottle Manufacturers, Ltd. Cover iv	
Odedent Co., The Leader Page		Verenigde Pharmaceutische Fabrieken, N.V.	11
Orridge & Co. Col. Supp.		Warner, W. R., & Co., Ltd.	8
Oxo, Ltd.	4	Webster, Isaac, & Sons, Ltd.	42
Parnall & Sons, Ltd.	37	Wesley, Harold, Ltd.	42
Pharmax, Ltd.	14	Whiffen & Sons, Ltd.	47
Phillips, Chas. H., Chemical Co., Ltd.	49	Wilcox, Jozeau & Co., Ltd. Leader Page	
Pierson, Morrell & Co., Ltd.	33	Wilkinson, S. W., & Co., Ltd.	48
Potter & Clarke, Ltd.	17	Williams, Charles, & Co.	44
Progress Shaving Brush Co., Ltd.	4	Wilson & Mansfield, Ltd.	30
		Wright, Layman & Umney, Ltd.	28
		Woodward, G. O., & Co., Ltd. Leader Page	
		Zimmermann, Chas., & Co., Ltd.	52



BY APPOINTMENT HAIRDRESSERS
AND PERFUMERS

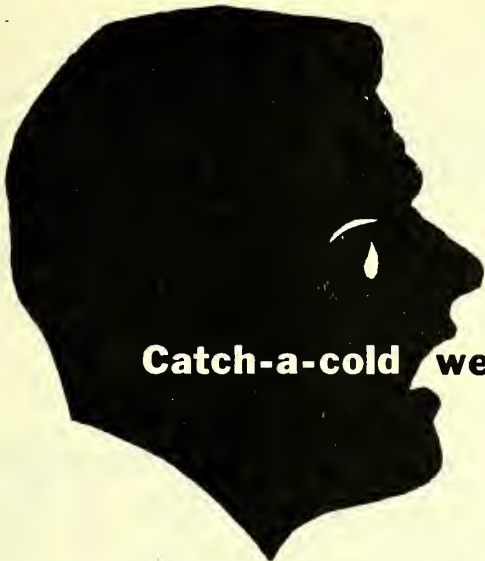
Steiner Announcement

We wish to inform the trade that Steiner hair beauty preparations will not be available from wholesalers after the 2nd February 1953.

This Company is establishing a selective policy, which means that Steiner hair beauty preparations can be purchased by the public only from appointed Steiner stockists.




During 1953 this Company will carry out the largest nation-wide advertising campaign in its history to work exclusively for appointed Steiner stockists.

We shall welcome enquiries from high-class chemists—please write or telephone the Sales Manager, Steiner Products Ltd., Sales Division, 13 Swains Lane, London, N.6, telephone number Mountview 4454/5.




Catch-a-cold weather is still here –

it's your chance to catch extra profits with **PENETROL**

 <p>PENETROL INHALANT</p> <p>Tell your customers "Sprinkle it on your handkerchief for pillow." The powerful vapours quickly cut through the thick catarrh, gently soothe away the soreness. Retail Price : 2/9 per bottle.</p>	<p>PENETROL INHALER</p> <p>Display them on your counters — with colds so common these days they sell themselves ! Retail Price 2/-.</p> 	<p>PENETROL VAPOUR RUB</p> <p>One of the finest remedies you can offer, for all chesty congestions. Retail Price : 1/8 per jar. Wholesale Price : 11/3 per doz. (Plus 33 1/3 % Purchase Tax).</p> 
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They'll want cough mixture too . . . **LOBELLINE**

The gentle yet amazingly effective herbal syrup. For coughs and colds. Retail Price : 1/9 and 4/-.



and all the year round remember . . .

**Cartwright products
on your counters**
(and off again, double quick !)
means cash in your till

MOORLAND
ANTACID INDIGESTION TABLETS

There's hardly a day goes by that someone doesn't want an indigestion remedy. Sell them Moorlands — and make another satisfied customer. Retail Prices : 1/1 per packet of 4 rolls (40 tablets), 2/- per packet of 8 rolls (80 tablets).



by Cox - buy right

The Confident Chemist is the man who has minimised chance and its attendant worries in his business. He believes in what he sells. Because he buys right—

HE BUYS COX'S



PILLS • TABLETS

OF ACKNOWLEDGED EXCELLENCE - SCIENTIFICALLY PRODUCED

Bulk or Packed.

Coated or Uncoated.

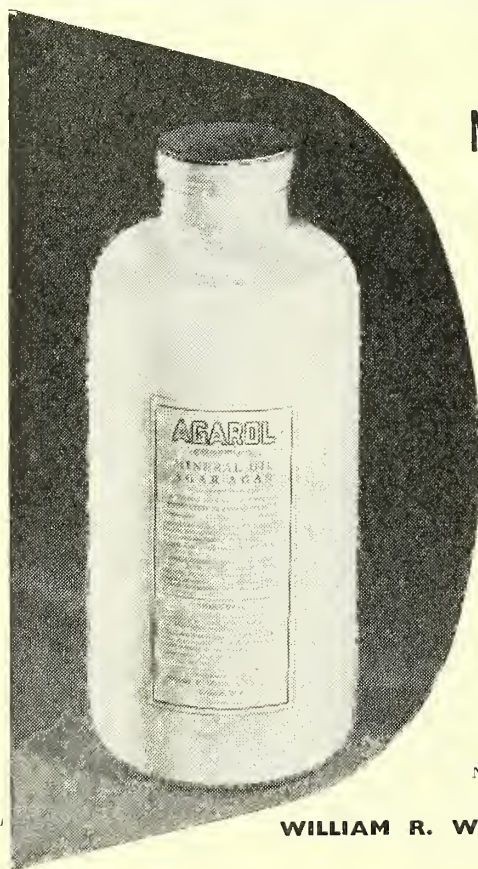
Standard or Special Formulae.

CREAMS • OINTMENTS • PASTILLES • SOLVELLAE

PACKED SPECIALITIES

"OWN BRAND" PRODUCTS

ARTHUR H. COX & CO. LTD. EST 1839. BRIGHTON



New large DISPENSING bottle of

AGAROL

TRADE MARK REGD.

for extra economy when supplied
on prescription

Agarol, well-known and widely prescribed treatment for all forms of constipation, is now available in a new 80 oz. dispensing bottle—replacing the 14 oz. dispensing size. The extra economy of the 80 oz. bottle—which is being specially announced to the Medical Profession—will encourage still further prescription demand for this reliable ethical preparation.

Agarol is available in 6 oz. bottles, Retail Price 3/9 each, List Price 27/- per doz. (exc. P.T.); in 14 oz. bottles, Retail Price 7/6 each, List Price 54/- per doz. (exc. P.T.). Now also for dispensing only in bottles of 80 oz., 19/6 each, not subject to Purchase Tax.

NO WARNER PREPARATION HAS EVER BEEN ADVERTISED TO THE PUBLIC

WILLIAM R. WARNER & CO. LTD., POWER ROAD, LONDON, W.4.



“... it's time I bought another Softex”

An ever-present need means an ever-present profit—that's why if you stock “Softex,” you're in on a permanent big market. Display “Softex” where they can see it. Then when they want “Softex” they'll come in to *your* shop; it's a product they like to buy easily, without fuss. Remember, once in your shop they may do other shopping too. Order your supplies now. Cash in on this permanent “Softex” market.



SOFTEX

- SOFTEX ROLLS.....1/1
- SOFTEX INTERLEAVED.....1/-
- SUPER SOFTEX.....1/6

Products of SWAN MILL PAPER CO. LTD., SWANLEY, KENT • Telephone: Swanley Junction 2385/2388
Showrooms: 92 Regent Street, London, W.1. Telephone: REGent 0422

Looks like salt



Tastes like salt



Makes it easy for
patients to maintain
low sodium diets

THERASAL
SODIUM-FREE SALT
SUBSTITUTE

THOMAS KERFOOT & CO. LTD.
VALE OF BARDSLEY, LANCASHIRE

K. 61

NATIONAL FORMULARY
1949

PASTILLES AND LOZENGES

are always available
in ample supply
from

**ROBERT GIBSON
& SONS LTD.**
MANCHESTER & LONDON

Manufacturers of
"MECCA" COUGH PASTILLES and
GIBSON'S CHOCOLATE WORM CAKES

The Silky Soft Absorbent
Tissue that is preferred

Vanity

HANKIE TISSUES
RETAILS FROM 1/6d.



Tissues have come to stay — it's just a case of selling the BEST to make and keep customers. VANITY are produced by THE PAPER SPECIALISTS—packed attractively and come to you in display cartons worthy of your windows and counters.

POCKET PACK

for Travel, School, etc. (24 large size White Tissues) 4d.
In the carton that does not disintegrate in use.

BOUDOIR CARTONS

(150 in White or assorted Pastel colours) or Cellophane Wrapped 150 and 180; assorted shades if required.

FREEDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX
Telephone: Howard 1847 (3 lines) Telegrams: Sylkocrepe, Enfield, Middlesex



MORPHINE

CODEINE

ETHYLMORPHINE

DIACETYLMORPHINE

and other

OPIUM ALKALOIDS

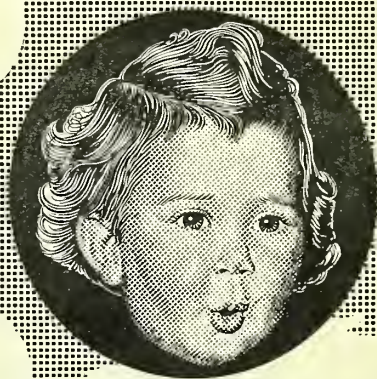


Verenigde Pharmaceutische Fabrieken N.V.
(United Pharmaceutical Works Ltd)

Apeldoorn

Holland

New! for Babies



News for You!

**Rose Hip AND
Orange AND
Extra Glucose—
in ONE Syrup!**



it's **Rosena**

For the first time Rose Hip syrup, pure Orange Juice and extra Glucose have been combined in one delicious blend — ROSENA. Made by the makers of Ribena, it is —

- ★ Rich in Vitamin C — not less than 56 mgms. per fluid oz.
- ★ Contains EXTRA Glucose with cane sugar and fruit sugar.
- ★ Sweetly blended to appeal especially to babies and young children.
- ★ Can be taken neat or diluted.
- ★ Does not cause stomach or bowel troubles.
- ★ Fully supported by national advertising in women's magazines, doctors' and nurses' papers and attractive display material.

P.A.T.A.

A CHEMISTS ONLY LINE

**Order now!
Rosena
is another
winner from
Carter's of
Coleford, Glos.**

To the Public: 2/10 a bottle (approx. 8 ozs.)

To Chemists: (Minimum direct—6 doz.)

1 dozen: 27/- per dozen

6 dozen: 26/4 „ „

12 dozen: 24/8 „ „

WINDOW DISPLAY BONUS

In return for 14 days' continuous Window Display we will allow a special bonus of 2 bottles to every 2 dozen ordered during January and February ONLY — whether ordered direct or through Wholesaler. Bonus despatched direct from Manufacturer only.

FOR CHEMISTS



DRUGS

SUNDRIES

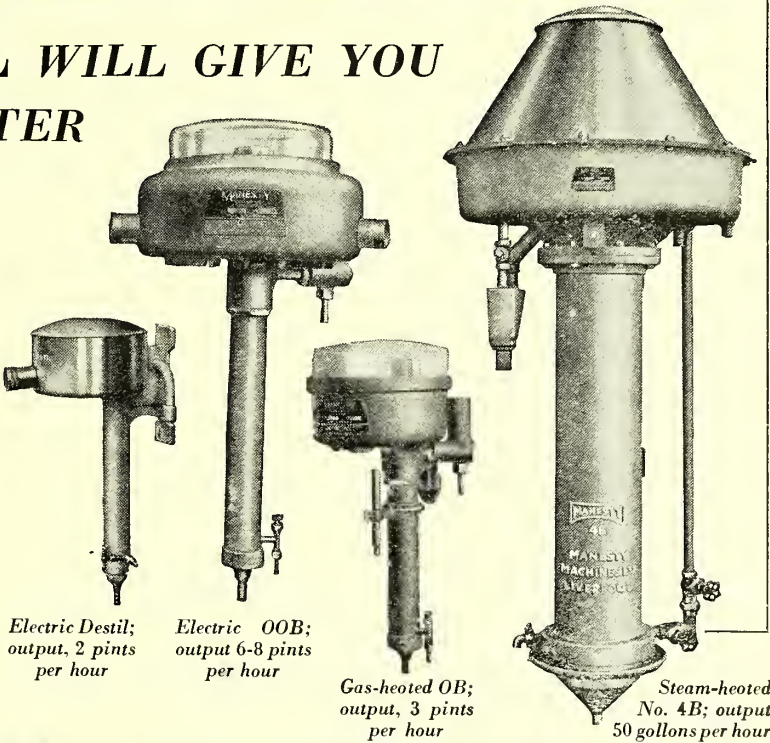
Manufacturing Chemists

**PILLS • TABLETS
PROPRIETARIES**

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

**ONLY A STILL WILL GIVE YOU
DISTILLED WATER**

If you want *genuine* distilled water, there is only one way to get it—by using a still. All models have wall bracket fixing, and are automatic in operation. It would be well worth while to send for our illustrated lists. Manesty Stills give distilled water of constant purity at a very low cost.



*Electric Destil;
output, 2 pints
per hour*

*Electric OOB;
output 6-8 pints
per hour*

*Gas-heated OB;
output, 3 pints
per hour*

*Steam-heated
No. 4B; output
50 gollons per hour*

MANESTY MACHINES LTD., DEPT. 5, SPEKE, LIVERPOOL 19

Telephone: Hunts Cross 1972

Telegrams: Manesty, Liverpool 19

TABLET MACHINES • COATING PANS GRANULATORS • MIXERS • PUNCHES AND DIES

SPEEDFIX

SELF-ADHESIVE CELLULOSE TAPE CUTS wrapping costs



An inch or two of **SPEEDFIX** makes a perfect pack

SPEEDFIX, already used by 10,000 shrewd shopkeepers, cuts packing costs. The **SPEEDFIX** Shop Dispenser takes a FULL 72 yard roll, enabling you to buy the best cellulose tape in the cheapest way in the industrial size 72 yard roll, at a big saving to you.

You can try it **FREE!**

Your customers will appreciate **SPEEDFIX** sealing—
it's so clean, so modern, so hygienic.

INDUSTRIAL TAPES LTD.,
Speedfix House · Duke's Road · London · W.C.1.

FREE TRIAL!

Send a postcard marked "C.D. Offer"
to:- Industrial Tapes Ltd., Speedfix
House, Duke's Road, London, W.C.1.



for trial **SPEEDFIX** Counter Dispenser, yours
on 14 days loan, complete with tape **ABSOLUTELY**
FREE OF CHARGE AND WITHOUT OBLIGATION.

RECOMMENDATIONS

Many thousands of bottles have reached the public via Doctors' prescriptions (Over half-a-million during the past year)—Thousands more through recommendations from satisfied users. You will know (even better than we do) from your direct contact with these users that **DIUROMIL** affords benefit and lasting relief in the treatment of:—

RHEUMATISM — GOUT — ARTHRITIS
FIBROSITIS — CYSTITIS — PYELITIS

DIUROMIL is an ethical product regularly prescribed by Doctors all over the country, and we thank you for your valued co-operation in this chain of demand.

Should you not be getting your full share of this trade, why not earn the gratitude of your customers and augment your prescription trade by the immediate return you can obtain through recommending **DIUROMIL**? Your orders may then (if they do not already) qualify for generous quantity discounts.

If you are not already familiar with the action of **DIUROMIL**, literature and a sample will gladly be sent on request.

Diuromil

can be sold without medical prescription.

AVAILABLE IN TWO SIZES

Standard (approx. 3 oz.) 5/7d. 1 Including
Large, 8 oz. 12/6d. 5 Purchase Tax

Write for Trade terms

PHARMAX LIMITED, THE ORGAN WORKS, OLD HILL, CHISLEHURST, KENT.

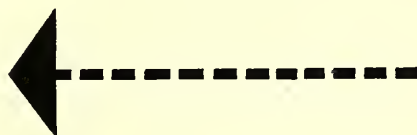


A PHARMAX
PRODUCT

FROM
↓
**DOCTORS
HOSPITALS
CLINICS**
↓
**SATISFIED
USERS**
↓
**AND
YOU**

KLEENEX SALES UP 81%

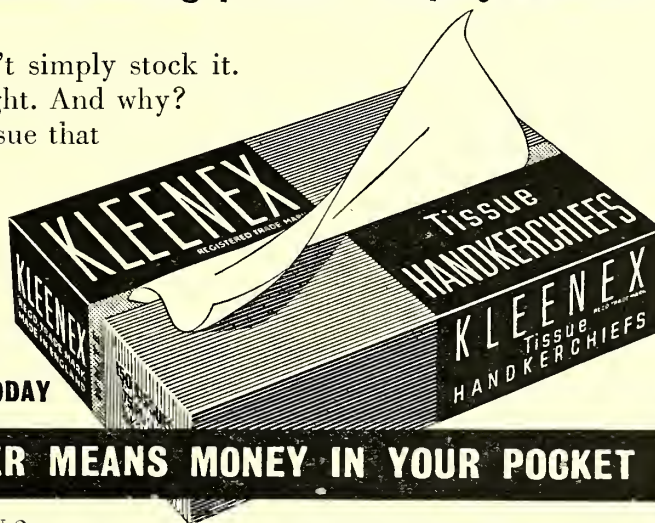
in one month!



That 81% rise is the start, but only the start! It's the result of just three months of the biggest advertising campaign in the history of handkerchief tissues in Britain. And still sales go up, up, UP!

Be sure of your share of these soaring profits: Display Kleenex

Stock up Kleenex* now. But don't simply stock it. **DISPLAY** Kleenex—it sells on sight. And why? Because Kleenex is the **ONLY** tissue that pops up one-at-a-time. Because Kleenex is the **ONLY** tissue that gives 75 pulls for 1/-. Because Kleenex is the softest, strongest handkerchief tissue.

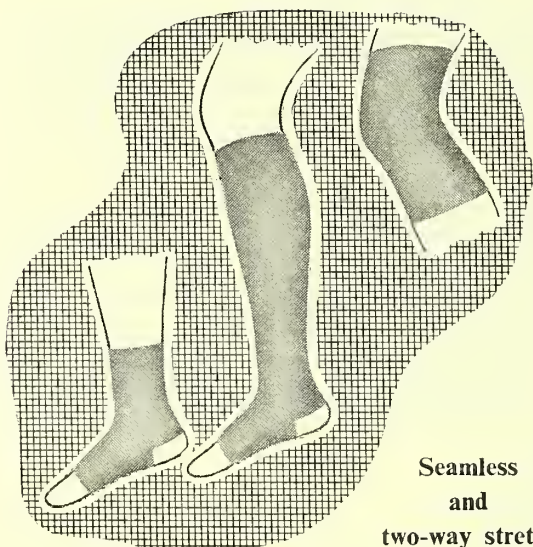


ORDER THROUGH YOUR WHOLESALE TODAY

KLEENEX ON YOUR COUNTER MEANS MONEY IN YOUR POCKET

Made by Cellucotton Products Ltd., London, N.2

*Reg. Trade Mark



*For Good Quality,
Good Fitting*

Certor

SURGICAL ELASTIC HOSIERY

QUALITY can be depended on with Certor Elastic Hosiery, which is made from the finest materials. Therefore, when your prescriptions require elastic hosiery, you are safe in supplying your customers with Certor. Both seamless and two-way stretch are available.

FITTING according to the exact requirements of your customers is assured. There is a full range of stock sizes, and in addition special fittings are supplied where these are needed.

*Full details of Certor Elastic Hosiery are available in printed folder.
This, with measurement and order form, supplied on request.*

MACDONALD & SON LTD.

HOPE MILLS

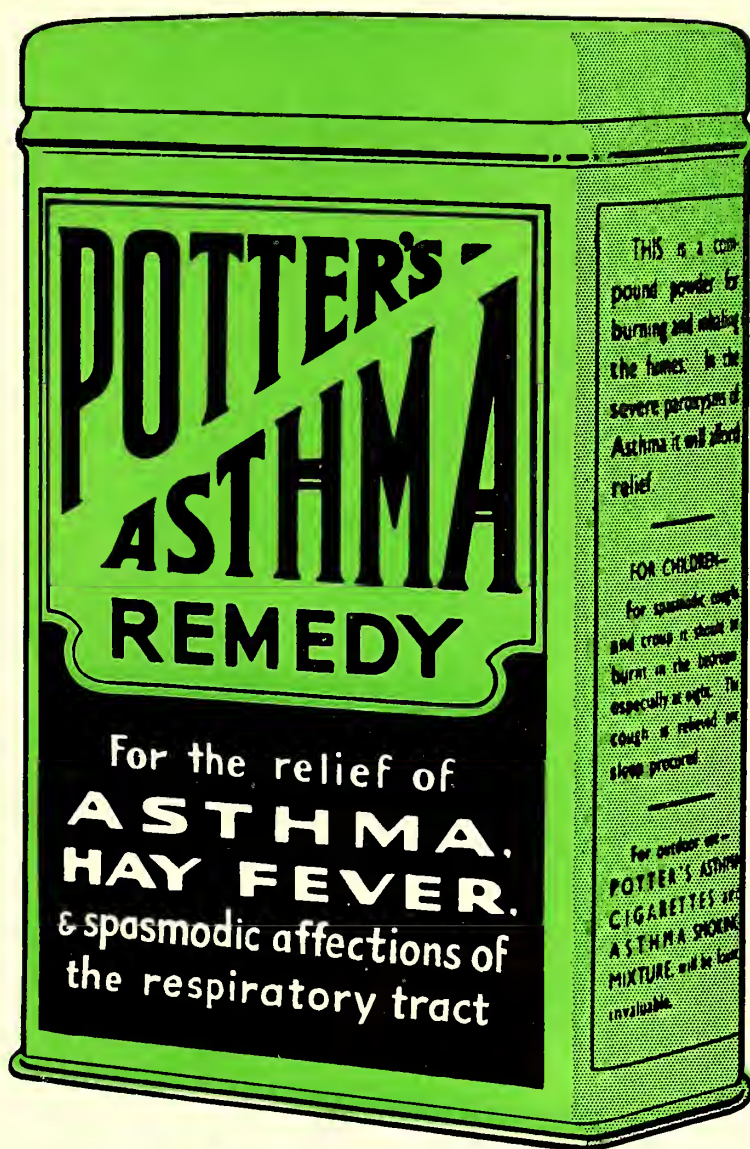
POLLARD STREET

MANCHESTER 4

So
well
known



1 doz. tins of
Potter's Asthma
Remedy are displayed in
this coloured container
Retail 3/- a tin
Trade 22/- a doz.
(Plus Purchase Tax,
7/4 a doz.)



and so - well
sold!

The renowned method of relieving attacks of Asthma, Hay Fever, Whooping Cough or Bronchitis. Every tin gives simple directions and contains special Dispenser.

Orders through Wholesalers only, please!

POTTER & CLARKE

LIMITED

RIVER ROAD • BARKING • ESSEX



Even the best of health is not impregnable. But those suffer worst and longest whose resistance has already been worn down by the rigours of winter. A good tonic helps to restore wasted reserves and resilience in the face of disease. If influenza strikes,

it will do much to curtail the characteristic wretchedness of convalescence.

'Neuro Phosphates' ('Eskay') is a 'good tonic'. Its reputation for excellence rests on the long-continued confidence of the medical profession.

'Neuro Phosphates'

Issued in 8-oz. bottles

('Eskay')

*Pharmaceutically elegant
Therapeutically effective
Of refreshing green colour
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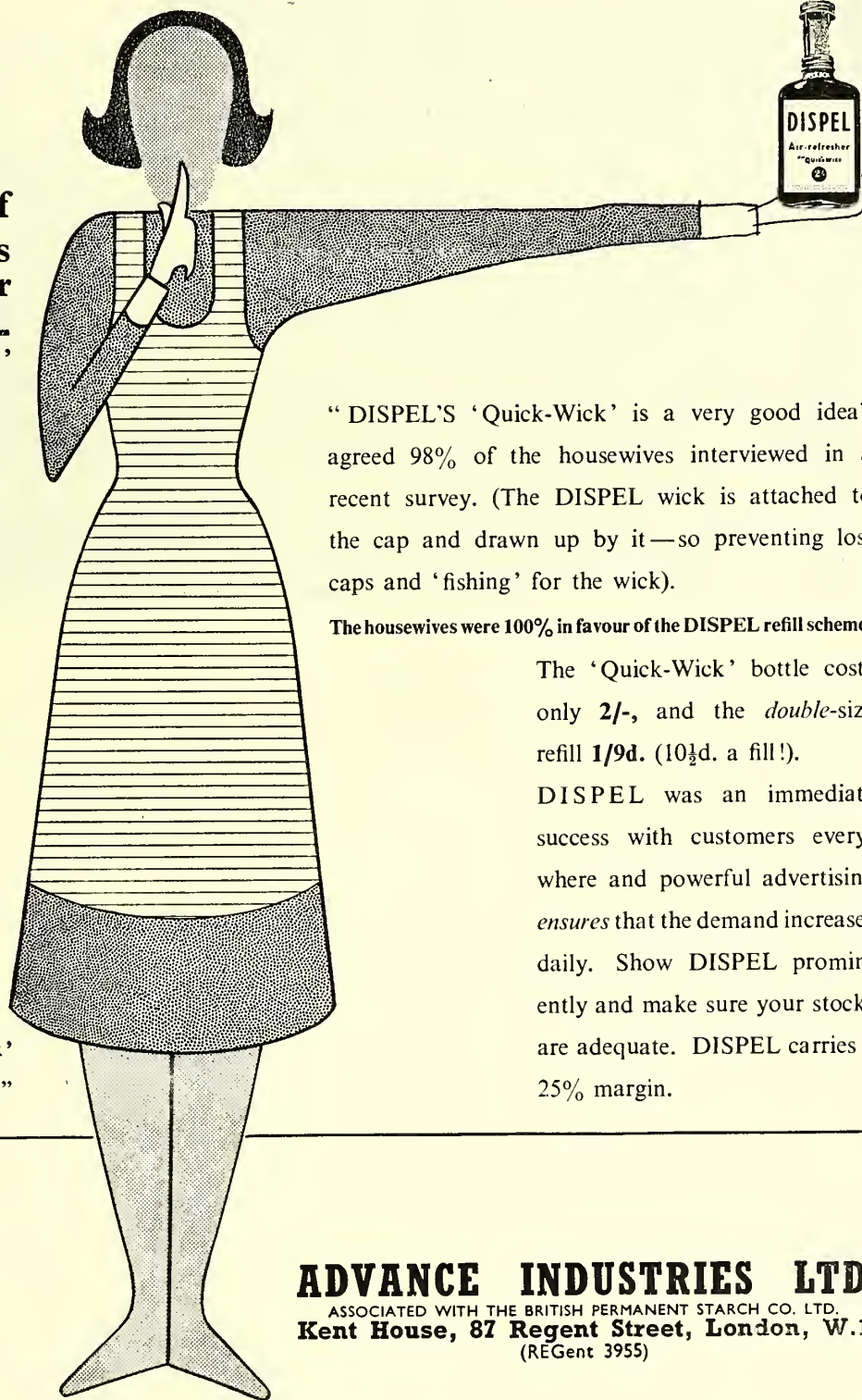
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"DISPEL'S 'Quick-Wick' is a very good idea"

"DISPEL'S 'Quick-Wick' is a very good idea"

"DISPEL'S 'Quick-Wick' is a very good idea"

98% of
housewives
vote for
DISPEL
'QUICK-WICK'



"DISPEL'S 'Quick-Wick' is a very good idea" agreed 98% of the housewives interviewed in a recent survey. (The DISPEL wick is attached to the cap and drawn up by it—so preventing lost caps and 'fishing' for the wick).

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LIMITED**

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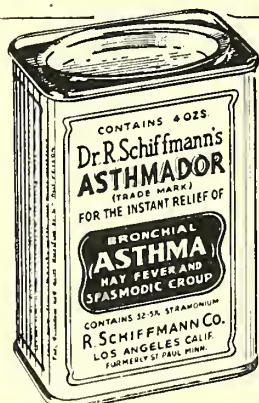
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including the printing
of special labels &
cartons

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Relief of
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ASTHMA

*Hay Fever and
Spasmodic Croup*

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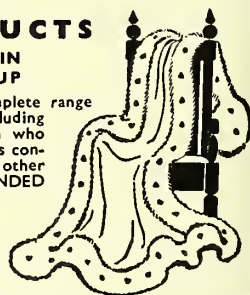
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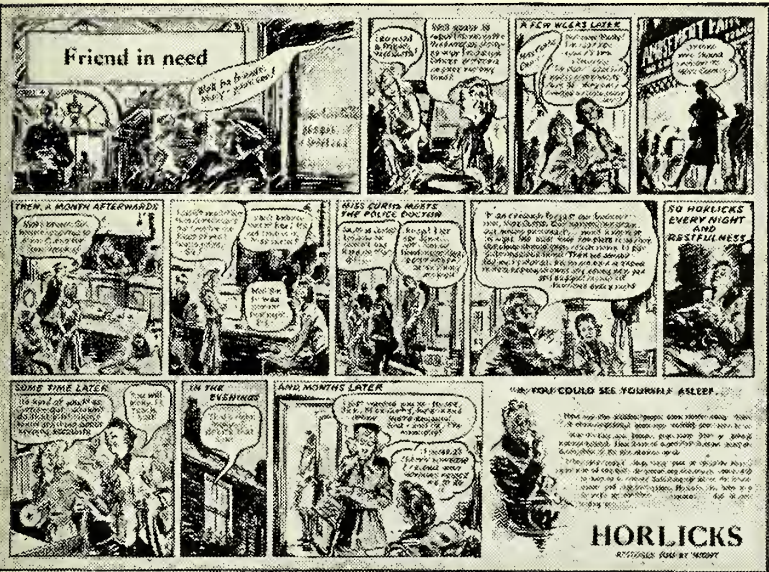
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or direct from . . .*

BOUTALLS CHEMISTS LTD.
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Everyone in Britain responds to this Advertising



THE DAILY EXPRESS . . .

Selling 4,108,855 copies a day, the Daily Express is the best selling medium in Britain. Horlicks have not just one, but seven half-pages in the Express from September 1952 to March 1953, plus other large spaces. This pattern is followed in almost every national newspaper and magazine.

Conquest of Modern Stress and Strain

By V. H. MOTTRAM, M.A.

These statistics, published by the Ministry of Health, show that the average man in Britain is under more stress and strain than ever before. The result is a decline in health and vitality, and a corresponding increase in the incidence of disease and illness. The only way to overcome this is by taking Horlicks, which is a natural food and a source of energy and strength.



RESTFULNESS... MANY OF US SEEK IT TODAY

HORLICKS

THE DAILY EXPRESS AGAIN! . . .

Horlicks are also using the Daily Express to publicize an article by Professor Mottram—one of the leading dieticians in Britain: his full scientific statement supports and confirms the advantage of taking Horlicks.

Heavier than ever this year!

HORLICKS is a household name because Horlicks advertising is seen, and read, regularly by so many millions of people.

The Daily Express, with its huge circulation of 4,108,855, has a still larger estimated readership of at least 8,000,000 people, making it Britain's best selling medium. This is why Horlicks uses the Daily Express—to sell to this vast audience.

This winter, Horlicks advertising pressure is greater than it has ever been

The famous Horlicks strip-cartoon stories, now appearing in the Daily Express and other national newspapers, have consistently achieved, and continue to achieve, the highest readership of *any* advertisements in the press.

To make the most of this tremendous promotional campaign, please see that Horlicks is well displayed. Some unusually vivid display material is being prepared—with a sharp eye on your requirements and the space you can spare. Ask Horlicks' representatives to tell you about it!

HORLICKS

display material will suit your needs



QUALITY AND SERVICE

for
**GALENICALS TABLETS
CAPSULES INJECTIONS
PENICILLIN PREPARATIONS**

DUNCAN, FLOCKHART & CO., LTD.
EDINBURGH & LONDON

*Fruit drinks
that Diabetics can enjoy*

THESE delicious Fruit Drinks are specially prepared without added sugar. Rose's Diabetic Lime Juice costs 3/6 a bottle; the Fruit Squashes—orange or lemon—are 3/- a bottle.

ROSE'S DIABETIC FRUIT DRINKS
FROM HEALTH FOOD STORES AND LEADING CHEMISTS

**Chemists
all over the
country**



Cash in on Coloral

Coloral — the new French Hair Colour rinse, has achieved new sales records every month since its introduction to this country last June. It is now, beyond question, an *established success* and tens of thousands of women are *regular users*. If you are not stocking **COLORAL** you are missing a quick selling line which will bring you *ever increasing profits*. The attractive cards, each carrying two rinses, have only to be shown to sell. Get a stock from your wholesaler **NOW!**

COLORAL *Liquid* **HAIR COLOUR-RINSE**

Regularly advertised in the leading Women's Magazines and on London's Underground.

Made in six shades—Burnished Gold, Auburn, Deep Brunette, Hazel Brown, Velvet Brown, Steel Blue.

In attractive display outers, each containing two dozen cards.

Retail Price :

1/3 Per Card of Two Rinses

TRADE PRICE : 6/- per dozen cards (plus 100% tax), in boxes of two dozen cards of any one shade or in a fixed assortment of two dozen.

Product of L'Oreal, Paris.

Packed and distributed in Great Britain by

GOLDEN LIMITED · 2/4 DEAN STREET · LONDON · W.1

GERrard 4926

These CALMIC preparations are available from your wholesaler

TABNET

DIHYDROXY
ALUMINIUM AMINOACETATE

Medical Management of Gastro-Duodenal Ulceration.

Packs: 100 or 1,000 tablets in bottles.

Formula: Each tablet contains:—Dihydroxy aluminium aminoacetate 250 mgms.; Glycine 30 mgms.

HYPON TABLETS

Analgesic and Antipyretic Tablets.

Packs: 10, 50, 125, 250, 600 and 1,000

Formula: Acid Acetylsalicyl. 40.22%; Phenacet. 48.00%; Caffein. 2.00%; Codein. Phosph. B.P. 0.99%; Phenolphthal. 1.04%; Excip. 7.75%; (Each tablet 8 grains).

CIMLAC GAUZE

Compound Aminacrine Tulle Medicated Wound Dressing.

Pack: PRESCRIPTION—10 pieces $3\frac{1}{2}'' \times 3\frac{1}{2}''$ in carton each piece separately heat-sealed and enveloped.

Formula: Aminacrine Hydrochlor. 0.1%; Hexyl-resorcinol. 0.1%; in a sterilized glyco-gelatin base.

ELIXIR CEREVON

Hæmatinic Compound.

Packs: 4-oz., 20-oz., 40-oz. and 80-oz.

Formula: Each teaspoonful contains: Ferrous Gluconate 0.3 gm.; Aneurin. Hydrochlor. 1 mgm.; Riboflavin. 1 mgm.; Nicotinamid. 10 mgm. With trace elements of Copper and Manganese.

CALPED FUNGICIDE

Antipruritic Fungicide.

Packs: Cream—2-oz. jars. Powder—4-oz. drums.

Formula: Cream—Parachlorophenylether 0.5%; Phenylmercuric Nitrate 0.004%; Acid Salicylic 0.01%; in a Bentonite Cream base. Powder—Parachlorophenylether 2%; Phenylmercuric Nitrate 0.004%; in a Talc and Amylum Powder base.

DRAPOLENE CREAM

For Urinary Ammonia Dermatitis. Packs: 2-oz. jar. 4-lb. Dispensing jar.

Formula: Benzalkonium Chloride 0.01%; Cetrimide 1.00%; in a water miscible base.

CALMIC LIMITED

These CALMIC preparations can be prescribed on form E.C.10.

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for the relief of pain and the reduction of inflammation

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★ These Radian products can ONLY be obtained from Chemists

Radiol
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Keep it
DARK with SHADEINE

—Your SALES are assured if you stock SHADEINE!

Still the best hair tint. In all natural shades. Stocked by all wholesalers. Trade prices—1 oz. 18/- per doz., 2 oz. 29/7 per doz. Purchase Tax 100%. Retail Prices 3/6 and 5/9 per bottle respectively. Also the new GOLDEN SHADEINE for lightening mousey hair. 2 oz. 18/- per doz., Purchase Tax 100%. Retail Price 3/6 per bottle.



THE SHADEINE COMPANY
49 Churchfield Rd., Acton, London, W.3.



Introducing

'VASYLOX'

TRADE MARK

A New Nasal Decongestant

In the common cold and most forms of rhinitis, 'Vasylox' brand Solution of Methoxamine Hydrochloride* relieves congestion rapidly and for long periods. Even in allergic patients, unresponsive to other nasal therapy, its firm but gentle action frequently restores free breathing. It does not interfere with normal ciliary activity, nor cause stimulation of the central nervous system. Non-stinging and non-irritant, pleasant to use and of agreeable aroma, it can be recommended equally for infants, children and adults.

'Vasylox', which contains 0.25 per cent of methoxamine hydrochloride, is a stabilised isotonic solution. It is supplied in bottles of $\frac{1}{2}$ fl. oz., each with an individual dropper. Retail price, 3/- plus 9d. purchase tax.

* β -hydroxy- β -(2:5-dimethoxyphenyl)-isopropylamine hydrochloride



BURROUGHS WELLCOME & CO., LONDON

(The Wellcome Foundation Ltd.)

ASSOCIATED HOUSES:

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BUENOS AIRES • CAIRO • DUBLIN

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(METHYLPENTYNOL B.D.H.)

Non-barbiturate for sleep

Somnesin is a hypnotic of a new type. It is rapidly assimilated and is non-cumulative.

Sleep is induced, in most cases within half an hour, and lasts five hours or more. No "hang-over" effects are experienced.

Somnesin is issued in capsules each containing 250 mg. The optimum dosage is 1 or 2 capsules.

	PHARMACISTS	RETAIL (Incl. Purchase Tax)
Container of 20 capsules	5/-	9/2
„ „ 100 capsules	19/2	35/2

THE BRITISH DRUG HOUSES LTD. LONDON N.1

SOM/T/1

Something they can trust

The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction. Such is the popularity of

CUTICURA SOAP

CUTICURA OINTMENT

CUTICURA TALCUM POWDER

CUTICURA SHAVING STICK

There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED **CHLOROPHYLL**

**For hair that is drab,
faded or just showing
the first grey touches**

INECTO

FOUR-IN-ONE SERIES

★ 11 lovely NEW shades:

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15 Dark Brown

16 Medium Warm Brown

17 Light Chestnut

18 Ash Brown
- 19 Bright Auburn

20 Golden Brown

21 Light Bronze

22 Honey Blonde

23 Smoke Blonde

24 Haze Blue

IN ATTRACTIVE HOME PACK
Price 5/- Wholesale (inc. 2s. 6d. P.T.), 6/- Retail

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Regent 7541 (12 lines)



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries.

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 159 February 7, 1953 No. 3807

CONTENTS

A Question of "Uplift" ...	124
American Approved Remedies ...	141
C. & D. Cartoonist at Bristol ...	131
Emergency Water Chlorination ...	133
Essentials of Treatment—6 ...	137
Figures in Pharmaceutical World ...	130
Guide to New Medicaments ...	140
Leading Articles:—	
An Invidious D.D. Position ...	133
Proposals for Leasehold Reform ...	133
London Students' Debate ...	127
Medical Abstracts ...	138
Miscellaneous Inquiries ...	140
National Pharmaceutical Union ...	136
New Books ...	139
New Medical Films ...	129
Onward from Galen ...	134
Problems of Forensic Pharmacy ...	125
Public Pharmacists' Brains Trust ...	129
Topical Reflections ...	123
Unsatisfactory Eye Lotions ...	125
Business Changes ...	127
Coming Events ...	144
Correspondence ...	135
Deaths ...	126
Information Wanted ...	132
Irish News ...	122
New Companies ...	124
New Products ...	128
P.A.T.A. Supplement ...	127
Personalities ...	127
Print and Publicity ...	144
Trade Marks ...	144
Trade Notes ...	128
Trade Report ...	142
Week in Parliament ...	127
Wills ...	126

INDEX TO ADVERTISERS. Pp. 5 & 6.

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ANNUAL SUBSCRIPTION, which includes The Chemist
and Druggist Diary and Year Book, £2. Single copies
one shilling each.

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PRODUCT**

Powerful Highly Soluble Sulphonamide

ELKOSIN

(6-(p-aminobenzenesulphonamido)-2:4-dimethylpyrimidine)

Wide range of effectiveness

WELL TOLERATED LOW TOXICITY

Elkosin is extremely soluble in blood and urine
and the degree of acetylation is unusually low

Elkosin may be administered in four hourly or six hourly doses

Available in tablets of 0.5 g. Bottles of 25 (4/3), 100 (16/6), 500 (80/0)

Subject to the usual discounts. Exempt Purchase Tax

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Wright's

COAL TAR INHALER AND VAPORIZER

for quick relief from

**COLDS
INFLUENZA
BRONCHITIS
WHOOPIING COUGH
CATARRH ETC.**



Wright's Coal Tar Inhaler and Vaporizer—eminently suitable for the relief of colds, catarrh, and like congestive conditions—should be well and prominently displayed. It offers good sales on good terms.

Complete with full size bottle of Vaporizing Liquid - Retail 6/8
Vaporizing Liquid Refills - - - - - Retail 1/9 & 5/4
Spare absorbent blocks - - - - - Retail 1/- each

WRIGHT LAYMAN & UMNEY LTD., SOUTHWARK, LONDON, S.E.1

The CHEMIST AND DRUGGIST

Volume 159

FEBRUARY 7, 1953

No. 3807

Pharmacy's Losses in Floods

HOW LOCAL SERVICES ARE AFFECTED

A NUMBER of pharmacies suffered in the disastrous floods caused by rupture of East Coast sea defences on the night of January 31. On the whole, however, chemists escaped lightly, and where demands were made on the pharmaceutical service they were met.

The chief damage was sustained in the Thames estuary, and at Sutton-on-Sea and Mablethorpe, Lincs.

At Southend-on-Sea, Essex, the Marine Parade pharmacy of Mr. G. H. DAWSON was flooded in different places to depths of between 1 and 3 ft. The flood came over the Parade "like a tidal wave." Mr. Dawson estimated damage to stock to be at least £200, and that the task of clearing up would take two months. The pharmacy of MRS. A. STEWART, further along the promenade, and on lower ground, is reported to have suffered badly.

MR. E. B. BUNTING (secretary, Southend Pharmaceutical Committee) was called upon, while on rota duty on Sunday, to dispense prescriptions for a group of evacuees from Canvey Island who were at the surgery of a local doctor. The gas supply was interrupted. No news had come through to Mr. Bunting as Pharmaceutical Committee secretary of the fate of the three Canvey Island pharmacies. Southend Executive Council decided on Monday that all "red tape" must be cut in supplying spectacles (and dentures) to replace those lost by flood victims.

In the Isle of Thanet the only damage to a pharmacy was at the Margate harbour shop of D. T. EVANS, LTD., the cellars of which were flooded to a depth of 9 ft.

No Shortages

At Whitstable, the stores of RYBAR LABORATORIES, LTD., were flooded to about 4 ft., but without interruption of the company's service. The factory was untouched. Two of the five pharmacies in the town were flooded to a depth of 2-3 ft. In addition to damage to fixtures by swelling of the wood, labels were washed off many of the bottles rendering their contents unusable. The pharmaceutical service was functioning normally with no shortages of any essential goods. Chemists are helping each other where necessary. In the town all water for pharmaceutical and drinking purposes is being boiled.

As Sutton-on-Sea and Mablethorpe, Lincs, were evacuated after the floods, little news of the fate of the three

pharmacies has come through, but it was reported that there was no shop in the town with a door that would open. At Louth, Lincs, to which the inhabitants had been evacuated, prescriptions written by local doctors for the victims were dispensed, but some medical supplies were being provided by the authorities.

The two Harwich pharmacies looked out on Tuesday over a deserted town, most of the inhabitants having been evacuated to Dovercourt. The cellars were flooded, and in that of MR. FLORENCE was most of his stock. The pharmacies had no gas or electricity, and the tap water was polluted. Stocks of distilled water were being eked out to cope with what pharmaceutical work was needed. Emergency supplies of baby food were sent to the Harwich area by chemists at Clacton-on-Sea.

Clacton itself escaped, though disaster overcame the neighbouring holiday town of Jaywick. Jaywick had no pharmacy, and Clacton chemists were busy dispensing for the rescued inhabitants. One of the lady assistants of MR. C. F. BAYLEY (Miss M. E. Pratt) worked for two days at the Clacton Red Cross centre helping to clothe and feed and give first-aid to victims. Another of the helpers (Mr. D. H. R. Moody) secured the services of a retired pharmacist so that he himself could help the victims.

Despite great damage on the Norfolk coast, chemists escaped very well, chiefly because of favourable siting. At King's Lynn only one pharmacy, that of MR. L. R. BOWSKILL, received damage, but not enough to require the help other chemists were prepared to give. Other shops round the Norfolk coast as far as Mundesley were known by the Norfolk Executive Council to be safe. Stocks of medicines in Norwich were adequate to cope with any health breakdown that might occur.

In Great Yarmouth, two pharmacies (Southtown Pharmacy, Ltd., directed by MR. T. TOSH, and the shop of MR. W. F. J. PHILPOT) were flooded. It was expected that both pharmacies would be able to function in a few days time but the future of the area near to Mr. Tosh's shop could not be decided until the state of the



PROBLEMS AHEAD: In some of the areas devastated by the floods along the East Coast and its rivers, return to normal will be slow and difficult. At Canvey Island, in the Thames Estuary, where many lives were lost and many victims had to be taken to the mainland by ambulance, public services are at a standstill. The fate of the island's three pharmacies is not known as we go to press.

buildings had been ascertained. Other Yarmouth pharmacies on higher ground were unaffected. Drinking water was being boiled.

In the immediate vicinity of Skegness and Boston little damage was done and pharmacies at Boston escaped through being on slightly higher ground. Because of the difficulty of communications (only authorised persons being allowed in the badly damaged areas, while telephone connections were broken) MR. R. DAY (secretary of the Lincs. Holland, Pharmaceutical Committee) had no information on pharmacies in his area known to be in dangerous locations.

FLOOD RELIEF Society Launches Fund

THE Council of the Pharmaceutical Society is circularising members inviting them to subscribe to a national fund for the relief of pharmacist victims of the floods. The aim is to raise at least £10,000. Cheques should be made payable to the Registrar at 17 Bloomsbury Square, London, W.C.1. They may be crossed "Pharmaceutical Flood Relief Fund."

Any surplus not needed for the relief of pharmacists will be passed on to other charities (e.g., the National Flood and Tempest Relief Fund).

The London Pharmaceutical Committee had previously notified London pharmaceutical contractors under the National Health Service that it would launch a fund for the relief of contractors hit by the floods, any monies received to be handed over to any national pharmaceutical fund that might be launched.

The president of the Pharmaceutical Society of Great Britain has sent the following telegram to the president of the Dutch Pharmaceutical Society: "I extend to you the deep sympathy of this Society in the great devastation and loss of life caused by the recent floods in Holland."

GUILD OF PUBLIC PHARMACISTS

THE council of the Guild of Public Pharmacists, which met in London on January 24, received the encouraging news that twenty-seven persons had been accepted as members, against five persons deleted. It was agreed that two members of the London branch should be nominated to serve on the foreign visitors subcommittee of the 1953 meeting of the British Pharmaceutical Conference. Professor H. Berry, London, Professor E. J. Wayne, Sheffield, and Mr. D. W. Hudson, Hove, were nominated to serve on the Standing Pharmaceutical Advisory Committee. The council confirmed recommendations that it was not possible to reduce the number or length of council meetings or the size of the council without seriously affecting the efficient and democratic control of the Guild. The cost, per head, of administration was bound to be relatively high. It was decided that travelling expenses of Council members should be paid from central funds, but that any subsistence or other expenses should be a charge on branch funds. The Council also decided to put a proposal on the

agenda of the next annual meeting:

"That the constitution be amended to delete the clause stating that a subscription of 10s. 6d. be paid by members joining after October 1, and replaced with a clause to the effect that a subscription of £1 1s. be paid by members joining the Guild for the first time after July 1."

A subcommittee, consisting of Messrs. G. Bryan, J. Moore and A. G. Shaw, with powers to co-opt members to assist them on particular matters, was appointed to discuss and to report on: 1, Pharmaceutical departments—minimum standards; 2, international relations; 3, post-entry training.

C.F. LUNCHEON

THE Chemists Federation held its seventeenth annual luncheon in London recently—a figure "unusually pharmaceutical," as a speaker with Bloomsbury Square in mind pointed out. All three sections of the Federation were numerous represented at the luncheon. The vice-president (MR. S. M. LENNOX) proposed the health of the guests, who included the chairman of the British Pharmaceutical Conference, 1953 (Dr. G. R. Boyes); two distinguished trade visitors from Uruguay; representatives of almost every organisation in pharmacy; and the London editor of the only paper that had dealt with the favourable report (on insulin) of the Monopolies Commission: the *Manchester Guardian* (Mr. J. C. Beavan), who responded. MR. BEAVAN said his visits abroad had made him realise how superior English pharmacy was, and how superb its packaging. The toast of the Federation was proposed by DR. BOYES, who spoke of support both inside and outside the profession for the view that chemists are the most appropriate channels for the distribution of medicines. The Federation, he advised, must be ever watchful to maintain high standards and exclude exaggerated claims. The response to the toast was by the president (MR. W. T. ELDER) who said that the Federation was unique. No other voluntary pharmaceutical organisation examined proprietary medicines from the point of view of the claims made. By adopting its principles chemists in retail business had the opportunity to raise the level of pharmacy.

TROPICAL HYGIENE

THE Ross Institute of Tropical Hygiene is organising a course in tropical hygiene to be held July 20-24. The course, which is free, is intended for all whose work in the tropics makes them responsible for health and welfare of others. Persons wishing to attend should send their names as soon as possible to the organising secretary, Keppel Street, London, W.C.1.

INFLUENZA EPIDEMIC

THE deaths from influenza in the 160 great cities of England and Wales during the week ended January 24 were, according to the Registrar General's weekly return, 132 (against seventy-two the previous week). The total for 1953 so far is 255 (110 in 1952 and 3,359 in 1951).

LOCAL NEWS

Manx Shilling Levy

REGULATIONS issued recently by the Manx Health Services Board raise the prescription charge in the Isle of Man from 6d. to 1s. as in England, with effect from April 1. The regulations also fix the charges for elastic hosiery and for hospital out-patients there is a schedule of charges towards the cost of appliances such as surgical boots. From the same date a charge of 1s. is being applied to hospital out-patients for each supply of drugs. Remission of the charges is being permitted in respect of hospital in-patients, school children, people receiving national assistance, certain persons in receipt of Ministry of Pensions allowances, and in other cases where the Board consider there is sufficient cause for remission.

"No Support" for Manufacturers

AT a meeting of the Plymouth Branch of the National Pharmaceutical Union held on January 26, it was unanimously agreed that support for the products (Dettol, Codis, etc.) of Reckitt & Colman, Ltd., and for the products (Ribena and Rosena) of H. W. Carter & Co., Ltd., be withdrawn. Members present at the meeting agreed that until the companies join the Chemists Federation they would not order direct from them and would withhold displays, etc.; and expressed the hope that members of other branches would give them their support.

West Kent Branch

OWING to the illness of Mrs. B. Gomer, Mr. B. Mendelson, 519 Croydon Road, Beckenham, Kent (telephone: Beckenham 0536) is acting as temporary secretary of the West Kent Branch of the Pharmaceutical Society for three months from February 9. The secretary (Mrs. B. Gomer) is having to return to hospital in the meantime.

IRISH NEWS

Pharmaceutical Services in 1951-52

COMMENT on the National Health Service pharmaceutical services is made by the Northern Ireland comptroller and auditor-general in his report on the 1951-52 accounts. The report states that the cost of the services was £1,681,526, or £89,057 more than in 1950-51, but that sum included additional payments of £72,967 for the previous years under the new basis of remuneration made retrospective to July 1948. The net result of the adjustments was an overall increase of about 2.4 per cent, and arrears were calculated on that basis. The number of prescription forms dispensed during the year dropped to 4,532,090 against 4,805,172, but the average cost per form increased from 6s. 2d. to 7s.

The report says that the General Health Services Board continues to be vigilant regarding the cost of the services. The prescribing averages of doctors are computed periodically and unduly high averages are investigated. One doctor was surcharged £182 for

drugs prescribed excessively for a patients. An examination of prescriptions written by 103 doctors in receipt of capitation fees for dispensing any necessary drugs and medicines for patients, revealed that no fewer than 66 had improperly given prescriptions on chemists when they themselves should have supplied the drugs and medicines. The payments made by the Board to chemists on those prescriptions, estimated at £2,890, were recovered from the doctors. Further checks of that nature were to be carried out.

More progress was made in testing prescriptions dispensed by chemists. 58 tests were made of which 44 were satisfactory and 14 required further investigation. The report also states that the number of forms received by the Board following the introduction of the 1s. charge showed a reduction of about 15 per cent.

Re-equipment of Industry

THE Government of Northern Ireland has introduced a Re-equipment of Industry (Amendment) Bill which empowers the Ministry of Commerce to make grants to manufacturing firms on approved schemes of re-equipment or modernisation designed to increase their productive efficiency. It clarifies the powers of the Ministry of Commerce to pay grants towards re-equipment carried out under schemes started before submission to or approval by the Ministry; extends to January 1, 1954, the time limit for the submission of schemes carried out between May 18, 1950 and January 23, 1951; and allows the Ministry to treat applications for assistance under the Industries Development Acts, 1945 to 1950 as applications under the Re-equipment of Industry Act if that is considered more appropriate.

Fertiliser Prices

UNDER an Order (S.I., 1953, No. 99) made by the Minister of Materials on January 21, the price, in Northern Ireland, of superphosphate of lime is increased from £6 19s. 6d. to £7 5s. per ton; and of compound fertilisers, from £12 11s. to £12 14s. 10d. per ton. The Order is effective from February 1.

NEWS IN BRIEF

Staff Dance. — About 160 attended the annual staff dance of F. W. Hampshire & Co., Ltd., manufacturing chemists, in Derby recently. Among those present were Mr. E. J. Moseley (managing director) and Mr. L. A. Hampshire (a director).

Centenary Greetings to R.P.S. — The president of the Pharmaceutical Society (Alderman W. J. Tristram) has sent a letter of congratulations and good wishes on behalf of the Society to the Royal Photographic Society on the occasion of the centenary of the latter.

Health Service Inquiry Urged. — A suggestion that a Royal Commission should inquire into the working of the National Health Service before the next General Election was made by Colonel Malcolm Stoddart-Scott, M.P. for Ripon, in an address at Otley, Yorks. on January 6.

TOPICAL REFLECTIONS

By Xrayser

Prevalent Influenza

The fact that the present outbreak of influenza occupied the first place in your news on January 31 is, by inference, a reminder that suppliers and dispensers of medicine will be wise to take the outbreak seriously. Its seriousness may, in fact, have increased before this paragraph is published. All readers may with advantage look up the article on influenza vaccines by Dr. A. Isaacs, of the National Institute for Medical Research, in your issue of June 28, 1952. His discussion of types of influenza and of the limitations of vaccines used in treating it is comprehensive. Though the virus of the type now prevalent has been identified, we should not be justified if we assumed that no other type will join in the fray before the outbreak subsides. Experimental work on this ailment continues, and from time to time we read a communication that seems to mark an advance in knowledge. But much remains obscure. We do not know, for instance, with precision, what causal connection, if any, there is between severely wintry weather and these outbreaks. The epidemic of 1918 was not, I think, accompanied by very low temperatures: that of 1895 was. When looking, a few days ago, through "The Annual Register" for the early part of 1853, I saw that a mild January was followed by a February with temperatures usually nine or ten degrees below the average. At that time statistics of public health were scanty.

In Old Edinburgh

Mr. C. G. Drummond's lecture on "Pharmacy and Medicine in Old Edinburgh" (pp. 112-13), with its well-chosen facsimiles, brings vividly before us some of the medicaments favoured by physicians in that city in the first half of the eighteenth century. Two short comments may be of interest. More is now known about Robert Talbot (or Talbor) than was available when the anonymous reference on p. 112 was first written. From the well-documented study of the history of cinchona contributed to your issue of June 28, 1930, by Mr. E. M. Holmes, it appears that Talbor visited France in 1679. He died in 1681, and his method of treating fevers was translated from French into English in the following year "for Publick Good." Archibald Pitcairne is justly described by the lecturer as "one of Edinburgh's characters in the late seventeenth century." He will possibly be remembered, when his more strictly professional work is forgotten, by his application of mathematics to medicine. This obsession—for it may be called that—brought forth in 1695 a book and a pamphlet ridiculing him. The book was entitled "Apollo Mathematicus: or the Art of Curing Diseases by the Mathematicks, According to the Principles of Dr. Pitcairn." George Cheyne, M.D., afterwards a popular physician and a voluminous author, issued a vindication of Pitcairne in 1702.

London College of Physicians' Powers

Turning to London physicians, a mis-statement in Bell and Redwood's "Historical Sketch of the Progress of Pharmacy in Great Britain" has, so far as I know, remained uncorrected (though perhaps not undetected) since it was published in 1880. On page 5 of that book the authority of the four censors, or any three, of the College of Physicians of London to regulate the practice of physicians, apothecaries and other sellers of medicine in the city and suburbs is stated to have been conferred by an Act of Parliament of the year 1553, with the footnote "I Mary, c.9." The Act I Mary S.2 c.9 authorised search of apothecaries' wares but made no mention of the other matter. The correct reference is given in Charles Goodall's "The Royal College of Physicians of London . . ." (1684), a scholarly work based on original documents. The power to regulate the practice of sundry classes of people was conferred by a charter of James I dated "8 Octob. 15 Jac." As James began to reign in England on March 24, 1603, the year is 1618. By this charter the four censors, or any three of them, were authorised to "examine survey governe correct and punishe" not only physicians, apothecaries and a few more classes named but also "all and every other person and persons" practising these trades.

NEW COMPANIES

P.C.=Private Companies; R.O.=Registered Office

PARKER ROBINSON & CO., LTD. (P.C.).—Capital £500. To carry on the business of wholesale and retail chemists, druggists, etc. Alfred E. Kirk and Estella Kirk, directors. R.O.: Ruebury, Littleworth Road, Esher, Surrey.

B. LATTER (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of wholesale or retail chemists, etc. Basil Latter and Muriel Latter, directors. R.O.: 96 Longford Road West, Stockport.

MICHAEL A. SLATTERY & CO., LTD. (P.C.).—Registered in Dublin. Capital £750. To carry on the business of pharmacists, etc. Michael A. Slattery, Lisheen, Main Road, Shankill, co. Dublin, and Sheila Slattery, directors.

CLARSPIE, LTD. (P.C.).—Registered in Dublin. Capital £100. To carry on the business of manufacturing and pharmaceutical chemists. John P. King and Patrick O. Fagan, subscribers. First directors are not named.

STANLEY C. JOHNSON, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in perfumes, toilet requisites and chemicals, etc. Stanley C. Johnson, 2 Gunnersbury Avenue, Ealing, London, W.5, is governing director.

POLYCHEMICAL DEVELOPMENTS, LTD. (P.C.).—Capital £100. To develop, market and exploit chemical engineering and other scientific processes, etc. Arthur Bane and Conrad A. Tierney, directors. R.O.: 52 Haymarket (5th Floor), London, S.W.1.

ALAN H. BROWN, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in surgical appliances, etc. Allen H. Brown and Herbert T. Willis, directors. R.O.: 14b Eckington Gardens, London, S.E.14.

SANDIL, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, etc. Cecil E. Clegg is the first director. R.O.: 115 Greenford Road, Greenford, Middlesex.

CALENO CO., LTD. (P.C.).—Capital £100. To carry on the business of manufacturing analytical and consulting chemists, druggists, etc. Estelle R. Coplans, 3 The Approach, London, N.W.4, and Evelyn G. Wilkinson, subscribers. First directors are not named.

R. GUY TURNBULL, LTD. (P.C.).—Capital £500. To carry on the business of wholesale or retail chemists, herbalists and seedsmen, etc. Lillian Turnbull and James Cooper, M.P.S., directors. R.O.: 140 Kenton Road, Kenton, Middlesex.

WOODWORM & DRY ROT CO. (SCOTLAND), LTD. (P.C.).—Registered in Edinburgh. Capital £100. Robert C. K. Livingston, William K. Livingston, Alexander S. Roxburgh and James M. MacKellar, directors. R.O.: 55 Bath Lane, Glasgow, C.2.

ESTRONA PHARMACEUTICALS, LTD. (P.C.).—Capital £500. To acquire the business carried on by F. H.

Bursell (Chemists and Opticians), Ltd., at 4 Carlton Terrace, Green Street, London, E.7. Leonard A. C. Helmer, Ronald G. Williams and Stanley Price, directors.

JOE HAIGH, LTD. (P.C.).—Capital £4,000. To acquire the business of oil distillers and chemical manufacturers carried on at The Grove Distillation Works, Middlegate, Birstall, and elsewhere, William Haigh, Harry Haigh, Joyce Haigh and Elizabeth A. Haigh, directors.

G. H. WALKER (CHEMISTS), LTD. (P.C.).—Capital £5,000. To acquire the business of chemists, druggists, etc., hitherto carried on by Gerald H. Walker, M.P.S., at 827 Bristol Road South, Northfield, Birmingham. Gerald H. Walker and Elsie D. Walker, directors.

A QUESTION OF "UPLIFT"

A CLAIM by Haynor, Ltd., relating to the value of Finetta cameras imported by them, was heard by the Referee (Mr. W. Craig Henderson, Q.C.) in London recently. The claim was against the Commissioners of Customs and Excise, who had imposed an "uplift" of duty of one-ninth the value of the cameras and accessories as shown on the invoices. The Finance Act, 1951, included amendments of the law to give effect to certain agreements affecting Customs and Excise. One of them was to give effect to the Convention on the valuation of goods for duty purposes signed in Brussels on December 15, 1950, by representatives of the Governments of Western European countries. In the case brought the definition fell to be judicially construed for the first time. In the Schedule the definition provides that the value of the imported goods shall be the normal price which they would fetch on a sale in the open market between buyer and seller independently of each other, and paragraph 2 of the Schedule lays down what is meant by the words "a sale in the open market between buyer and seller independently of each other" (price to be the sole consideration; price not to be influenced by any commercial, financial, or other relationship, whether by contract or otherwise, between the seller or any person associated in business with him and the buyer or any person associated in business with him, other than the relationship created by the sale of the goods in question; and no part of the proceeds of the subsequent re-sale, use or disposal of the goods to accrue either directly or indirectly to the seller or any person associated in business with him).

The price for the Finetta cameras and accessories in the consignment taken as a test case was the price shown on the seller's export list, with a deduction of 10 per cent. Haynor, Ltd., claimed that that was the normal price within the meaning of the Act. The Commissioners contended that Haynor, Ltd., were sole agents for or sole importers of Finetta cameras and accessories and in such capacity carried out a large publicity campaign which

Company News

MILTON ANTISEPTIC, LTD.—Net profit for year ended September 30, 1952, was £19,850 (against £20,854 in the previous year).

HORLICKS, LTD.—Messrs. W. R. Bowden, P. Campbell, J. Colledge and G. W. Severn, who have occupied full-time executive posts with the company, have now been appointed directors.

MONSANTO CHEMICAL CO. (U.S.A.).—A new division is being created to co-ordinate the operations of all the company's interests outside the United States, including the export sales of the parent company. Head of the new division is Mr. Edward A. O'Neal, jun. (chairman, Monsanto Chemicals, Ltd.), and Dr. W. D. Scott is development director. Mr. O'Neal will establish the headquarters of the division in St. Louis, U.S.A., but will retain his position as chairman of Monsanto Chemicals, Ltd.

showed that the relationship between Messrs. Haynor and the sellers was such that the goods could not be regarded as having been sold in conditions amounting to a sale in the open market within the meaning of the Finance Act, 1951, since benefit accrued to the seller from that publicity. The Commissioners assessed the value at the export list price without the 10 per cent. discount.

At the hearing, Mr. Orski (Haynor, Ltd.) and Mr. Saraber (Finetta-Werk) said in evidence that they met for the first time at the Fotokina Exhibition at Cologne in April 1951. Mr. Saraber suggested that Haynor, Ltd., should become Finetta's sole agents but Mr. Orski said they did not wish to be so bound but that he might place an order for a substantial quantity if the export list price were reduced sufficiently. After his return to England, Mr. Orski informed Mr. Saraber that he now definitely wished to place a bulk order subject to obtaining a price reduction. Mr. Orski ordered 150 cameras. When the goods arrived the invoice showed a deduction of 10 per cent. off the list price. A Customs Officer asked the meaning of the deduction, and Mr. Orski explained that the discount was given because of the quantity purchased. It was admitted that about 6 per cent. of the gross profits was spent on publicity. Various retailers and wholesalers had also advertised Finetta products, but it was admitted that Haynor, Ltd., were, in fact, the sole importers of Finetta goods.

On behalf of the Commissioners it was said that a discount off the list price of cameras was never allowed by the seller, even though bulk orders were placed. A custom of the trade existed whereby the seller took over the burden (either by direct payment or otherwise) of the publicity in the buyer's country. Messrs. Haynor were either sole agents, sole importers, or sole representatives of the sellers and there was an irresistible inference that the price was influenced by such relationship; therefore the price paid by the company was not the normal price. Judgment was given on January 28 against the plaintiff.

SOME PROBLEMS OF FORENSIC PHARMACY

Pharmaceutical Society's chief inspector speaks at Edgware

SOME of the problems of forensic pharmacy were discussed by Mr. W. R. Roberts (the Pharmaceutical Society's chief inspector) at a meeting of the Hendon and Edgware Branch of the Society at Edgware, Middlesex, on January 26. Mr. Roberts said that the Pharmacy Bill now before Parliament was a private member's Bill and would amend the Society's constitution in the following ways:

1. Consolidate the Register of Pharmaceutical Chemists and Chemists and Druggists and abolish the latter.

2. Abolish the ceiling on the retention fee (members would then, he said amid laughter, have complete control over the amount of the retention fee).

3. Recognise degrees in pharmacy as qualifying for admission (subject to passing in forensic pharmacy, etc.) without other formalities to the Society's register.

4. Enable pharmaceutical chemists who subsequently qualified as doctors to remain on the register of pharmaceutical chemists.

5. Repeal the 1868 Act so that methods of election to the Council are covered by the Society's constitution and not by Act of Parliament.

In poisons legislation, Mr. Roberts said that the biggest job was that of keeping the Poisons List. To simplify the problem for all concerned the Poisons Board did not now add substances to the Poisons List until the British Pharmacopoeia Nomenclature Committee had given the substance a name. Similar problems were arising with horticultural and agricultural products; the British Standards Institution had approved a list of names for common use. He suggested that developments might be forthcoming which would separate medicines legislation from poisons legislation. He emphasised the need for pharmacies to have adequate reference books on poisons matters.

Veterinary Medicine Containers

Recent veterinary legislation allowing veterinary medicines to be supplied in non-fluted bottles had been brought in to facilitate the supply of injection vials, but he doubted whether it was wise to allow it to be applied generally. There was nothing to prevent a pharmacist from supplying veterinary medicines in fluted bottles.

Dealing with matters that he found were often confused by pharmacists, he pointed out that whereas sulphonamides supplied as an ointment or in surgical dressings were exempted from Schedule 4, other sulphonamide preparations for external use (for example powders) were not exempted. All of the preparations were in the first Schedule. Antihistamine preparations for external treatment were outside the poisons legislation and need not be sold at a chemist's shop.

When a doctor telephoned a prescription for a Schedule 4 drug (with a promise under legislation introduced in 1947 to supply a prescription within twenty-four hours) the chemist should

take the precaution of entering in his prescription book that the prescription had been telephoned. That would help to indemnify him in case the matter was queried by an inspector of the Pharmaceutical Society. He appealed to chemists to continue to be systematic in filing private prescriptions for Schedule 4, despite the fact that private prescriptions were becoming rare. Chemists were tending to become slack over the sale of amphetamine, he said, yet legally that drug was in the same category as potassium cyanide or arsenic. It was difficult for a chemist to know whether a customer was a "proper" person to take amphetamine.

Chemists sometimes forgot that strychnine could not be sold at all except for the destruction of moles and on a certificate from an Agricultural Executive Committee. To avoid having Schedule I poisons sold in the absence of a pharmacist he advised pharmacists to segregate such preparations in the shop and instruct their staffs appropriately. Under the National Health Service a pharmacist was saddled with a difficult responsibility when presented with a prescription containing a Dangerous Drug written in another district for he had to take steps to satisfy himself that the prescription was genuine.

UNSATISFACTORY EYE LOTIONS

Birmingham Analyst's Report

THREE unsatisfactory samples of eye lotions are mentioned in the report for the third quarter of 1952 by the Birmingham city analyst published recently. One of the samples was over two years old, the sides and bottom of the bottle being covered with an adherent layer of zinc oxyborate and analysis showed that the lotion was deficient in zinc sulphate by 64 per cent, and borax by 24 per cent. The analyst pointed out that the presence of solid particles in an eye lotion is obviously objectionable. Another sample of an eye lotion was deficient 85 per cent, in its stated content of cocaine hydrochloride. The analyst pointed out that the label of that sample contravened section 11(2) of the Pharmacy and Medicines Act, 1941, because the ingredients in 4 fl. oz. of lotion were stated although the bottle was of 3 fl. oz. capacity only.

A sample of boric acid ointment was deficient of 38 per cent, of boric acid. Other samples were unsatisfactory for the reasons shown in parentheses:—Iodised throat tablets (excess of 100 per cent, of iodine); ammoniated tincture of quinine (deficient of 26 per cent, ammonia); sal volatile (deficient of 21 per cent, ammonia); Seidlitz powder (deficient of 20 per cent, and 22 per cent, tartaric acid; and 1.85 per cent, sodium sulphate present). The unsatisfactory sample of iodised throat lozenges was found to contain the equivalent per lozenge of 2 fifteenths of a minim of weak tincture of iodine or twice as much as the quantity claimed on the label. The makers, in reply to a letter of caution, stated that the label had in the meantime been altered to give the content of the lozenges as 1 sixteenth of a minim of liquor iodi fort, B.P. But a sample sent by the company with a new form of label was found on analysis to be 30 per cent, deficient in iodine content on the basis of that label. After an interview between the analyst and the manufacturers it was agreed that six air-tight wrapped cartons of lozenges from the same batch would be tested by opening one each month to determine the iodine loss over a period of six months.

The company proposed to put in an initial "overage" of 10 per cent, to cover deterioration and to print a cautionary statement on the cartons.

Among samples submitted by the public for analysis was a dusting powder, which had been prescribed by a doctor for treatment of an ulcer already healed which was said to have caused breaking of the skin within twenty-four hours. The patient was convinced of an error in dispensing but analysis proved that the mixture was in accordance with formula. A dusting powder submitted by the Public Health department had gone black on sterilisation at 150° C. for one hour and was found by the analyst to contain boric acid and talc in addition to the zinc oxide and starch which it should have contained. It was found by experiment that where boric acid and starch were present together the mixture invariably charred when heated to 150° C. Specimens of face cream and powder were submitted with a complaint that they had caused skin irritation. Three members of the analyst's staff, however, suffered no ill effects when the materials were strapped next to the skin for twenty-four hours.

First laboratory of its kind

The first of its kind in the country to be used by public analysts to deal with vitamin-content and behaviour of pharmaceutical products, a new laboratory is being installed in the Birmingham city analyst's department. It is anticipated that the laboratory will be completed and in action by April 1. Special apparatus including a £500 spectrophotometer is being set up and two additional analytical chemists are expected to work on the problems of vitamin behaviour in proprietary pharmaceutical articles. The analyst believes that the new research equipment is essential if adequate public analysis is to be made of the large number of new drugs on the market. The establishment of the laboratory is the direct outcome of work done by the Department on vitamin products (see *C. & D.*, 1952, II, 591 and 604).

DEATHS

ALDRED.—At Whitchurch, Cardiff, on January 19, Mr. Harold Aldred, M.Sc. (Vict.), A.R.I.C. Mr. Aldred was lecturer in chemistry at Cardiff Technical College for over thirty years.

Mr. J. Malcolm Davies (lecturer in pharmacognosy, Welsh School of Pharmacy, at the College) writes: Mr. Aldred's passing will be mourned by past students of the Welsh College of Pharmacy who owe much to his teaching. His patience and his quiet humour endeared him to all; he put the welfare of his students before all else.

BOYES. — On February 2, after a long illness, Mrs. Constance Effie Boyes, Ph.C. Mrs. Boyes was a director of W. J. Boyes, Ltd., 61 Balham Hill, London, S.W.12, and was the wife of Dr. G. R. Boyes, Ph.C. (medical adviser to Allen & Hanburys, Ltd., Bethnal Green, London, E.2, and chairman of the British Pharmaceutical Conference, 1953). Mrs. Boyes took her pharmaceutical training at Deane & Co. (Chemists), Ltd., 17 The Pavement, Clapham, London, S.W.4, and studied at the Gordon Hall School of Pharmacy under Miss Buchanan. She qualified as a chemist and druggist in 1917, and passed the Pharmaceutical Chemist examination (from the School of the Pharmaceutical Society) in 1919 (in the same year as Dr. Boyes). She gained a number of prizes and stayed on at the School as a demonstrator in pharmacy under Professor H. G. Greenish. She was married in 1925. Mrs. Boyes maintained her interest in pharmacy during her married life, and at the beginning of the 1939-45 war helped Dr. Boyes' father (the late Mr. W. J. Boyes) in his business at 61 Balham Hill. After his death she became a director and pharmacy superintendent of the business when it was reconstituted as a limited liability company. Mrs. Boyes was a keen supporter of and, until her illness intervened, a regular attendee at the British Pharmaceutical Conference. She is survived also by a doctor son Michael. The funeral service is to be held at St. Stephen's Church, Weir Road, London, S.W.12, at 11.30 a.m., on February 7. Cremation is to follow at Streatham Vale Crematorium, London, S.W.16, at 12.20 p.m.

DAVIES.—On January 21, Mr. Oliver Davies, Glen Lyn, Mackintosh Road, Pontypridd, Glam., aged eighty-six. Mr. Davies was in business in Mill Street, Pontypridd, for fifty years. He was a prominent Freemason and for many years a member of the English Congregational Church, Pontypridd. He is survived by two daughters.

DUNN. — On January 26, Mr. Robert William Dunn, 69 Bridge Street Row, Chester, aged eighty-four. Mr. Dunn qualified as a chemist and druggist in 1890, and for many years was in business in the city. Mr. Dunn, who was a native of Broughty Ferry, Forfar, came to Chester in 1914. During the succeeding years he built up a business of the highest reputation in the city's commercial life. His only surviving son, Mr. John T. Dunn, is now carrying on the business with Mr. W. R. Dickinson. Mr. Dunn was a member of Chester city council for twelve

years up to 1941, and was a past-chairman of the city health committee.

JONES. — At 70 Bridgend Road, Aberkenfig, Glam., Mr. John Connop Williams Jones, M.P.S. Mr. Jones qualified in 1905.

MAYERS.—On January 26, Mr. Edward Sydney Mayers, Ph.C., 32 Spring Park Avenue, Shirley, Surrey. Mr. Mayers was in charge of the laboratory at the pharmacy of Allen & Hanburys, Ltd., Vere Street, London, W.1 — a position to which he was appointed shortly after joining the staff of the pharmacy in 1946. He passed the Pharmaceutical Chemist examination in 1939, and during the 1939-45 war served with the Admiralty, being in charge for a number of years of the dispensary at R. N. Hospital, Haslar, Gosport, Hants. He is survived by his widow and three children.

NICHOLLS.—At Royal Devon and Exeter Hospital, Exeter, on February 2, Mr. Alfred F. Nicholls, M.P.S., until recently of St. Columb, Cornwall, aged seventy-two. Mr. Nicholls was for long manager at a pharmacy in Falmouth, then over thirty years ago he purchased a pharmacy at St. Columb and continued there until ill-health a few months ago compelled him to retire. (His son has taken over the business.) For many years Mr. Nicholls was an active member of the Cornwall Pharmaceutical Committee.

Mr. A. C. Cannon (secretary of the Cornwall Pharmaceutical Committee) writes: By the death of Mr. A. F. Nicholls, Cornish pharmacy has lost a familiar and respected figure. He regularly attended pharmaceutical meetings; his questions and remarks were always pertinent and to the point. He took his profession seriously and his cheery optimism will be missed by many.

SMITH.—At his residence, Holland House, Arkwright Road, Hampstead, London, N.W.3,



on January 31, Mr. Frederick John Smith (chairman and governing director of Sangers, Ltd., and its associated companies), aged seventy-five. Mr. F. J. Smith was the eldest son of the late Mr. David Smith, a partner in what

was then the firm of Sangers. After obtaining banking experience he entered the firm in 1901, and on the death of his father he became managing partner. The development of Sangers is largely attributable to his energy and foresight. Under his guidance in 1929 the business was converted to a public company after nearly 150 years as a private concern. Sangers, Ltd., was extended by later acquisitions, and at the time of his death Mr. Smith was chairman and governing director also of May, Roberts & Co., Ltd.; Francis Newbery & Co., Ltd.; the Chemists' Supply Co.,

Ltd.; Goodalls (Leeds), Ltd.; John Thompson & Co., Ltd.; Southall Bros. & Barclay, Ltd.; Brooks & Warburton, Ltd.; Osborne, Bauer & Cheeseman, Ltd.; Thomas McMullan & Co., Ltd.; and Hirst, Brook & Hirst, Ltd. In 1909 Mr. Smith succeeded his father as a member of the wholesale section of the council of the Proprietary Articles Trade Association and in a short time attained a position of great influence in that section, the executive committee and the council. In 1915 he was elected chairman of the wholesale section of the council, an office which he held uninterruptedly until his death. Mr. Smith had three terms as president of the P.A.T.A. — 1921, 1927 and 1951 when he had become the "father of the council." During a visit to the United States, at a time when all forms of price protection were banned in that country, Mr. Smith addressed a large conference of members of the Proprietary Association of America in session at Washington on price protection. He was chairman of the P.A.T.A. Trust Co., Ltd., and recently was elected chairman of Trustees of the Resale Price Maintenance Defence Fund. In December 1950 the directors of Sangers, Ltd., gave a complimentary dinner to their chairman, in celebration of his fifty years' service to the company and its associates. On that occasion Mr. H. Glyn-Jones, K.C. (now Mr. Justice Glyn-Jones) spoke of the value his father, the late Sir William Glyn-Jones, had always attached to Mr. Smith's co-operation and counsel. Mr. Smith was a member of the council of the Association of British Pharmaceutical Industry and chairman of Group A.2, and a past-president of the Chemists Federation. All his life he was an earnest church worker and during his latter years devoted much of his time and service to St. Andrews, Frognal, Presbyterian Church, Hampstead.

PRATT. — Recently, Mr. George Herbert Pratt, M.P.S., 451 Blackmoorfoot Road, Grosland Moor, Huddersfield, aged seventy-two. Mr. Pratt opened the chemists' and druggists' department at the central premises of the Huddersfield and District Co-operative Society, Ltd., in 1906. That was one of the first pharmacies to be run by a co-operative society. Later he applied his specialised knowledge to the processing of milk and in 1926 took over the management of the Society's dairy. He introduced the sealing of milk bottles with aluminium caps instead of cardboard. He is survived by his widow, a son and a daughter.

WALKER.—At Hyndhurst, Jedburgh, on January 29, Mrs. Johan Hunter Walker (wife of the late Mr. Harley Walker, M.P.S., Jedburgh).

WILLS

MR. S. WAINWRIGHT, M.P.S., 12 Bromley Road, Birkby, Huddersfield, left £1,924 (£1,860 net).

MR. G. J. WATERWORTH, M.P.S., 24 Haxby Road, York, left £12,802 (£11,953 net).

MR. G. HALLIWELL, M.P.S., Ackworth, Birches Road, Codsall, Staffs., left £5,177 (£4,415 net).

MR. B. V. LLOYD, M.P.S., 47 Woodcock Lane, Northfield, Birmingham, left £2,816 (£1,989 net).

PERSONALITIES

MR. JAMES JESSE TRICE, M.P.S., Maidenhead, has been elected to the executive council of the Maidenhead Chamber of Commerce.

MR. HAROLD THOMPSON, M.P.S., F.B.O.A., F.S.M.C., Wolverhampton, has been admitted to the delivery of the Worshipful Company of Spectacle Makers.

MR. JOHN EDWARD HUGHES, M.P.S., F.B.O.A., the proprietor of a pharmacy in St. James Street, Brighton, is the chief Civil Defence instructor in Brighton and recently took a special Civil Defence course in organic chemistry and atomic physics.

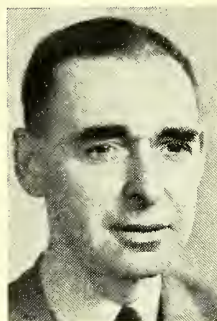
SIR HARRY JEPHCOTT, M.Sc., Ph.C., F.R.I.C., has been nominated to serve the Royal Institute of Chemistry as president for the two years 1953-55. Sir Harry is chairman of the council of the School of Pharmacy, University of London, an auditor of the Pharmaceutical Society and president of the Association of British Chemical Manufacturers.

SIR ALEXANDER FLEMING will be a member of a team of fifteen doctors from seven countries who will visit India and Indonesia in February to exchange the latest medical knowledge with physicians, teachers of science, and public health specialists. The mission, sponsored jointly by the World Health Organisation and the Unitarian Service Committee, a philanthropic agency of the Unitarian Church in the United States, is being sent at the request of the Indian Government.

DR. MARCOLINO GOMEZ CANDAU (assistant director, Pan American Sanitary Bureau, Washington, U.S.A.) has been nominated, by the executive board of the World Health Organisation, to succeed the director-general of WHO from July 21. Dr. Candau was born in Rio de Janeiro, Brazil, in 1911. Before taking up his appointment with Pan American Sanitary Bureau which is also the WHO regional office for the Americas in March 1952, he served two years at WHO headquarters in Geneva, first as director of the division of organisation of public health services and afterwards as assistant director-general in charge of the department of advisory services.

MR. FREDERICK ALBERT LAWMAN, M.P.S., Flookersbrook, Ches., was awarded an O.B.E. in the New Year's Honours List. Mr. Lawman's award was in appreciation of his work as Cheshire County organiser for the Forces Help Society. He served his apprenticeship with Mr. S. B. Hardcastle, 21 East Street, Brighton, and qualified in 1907. He studied at the London College of Pharmacy where he was awarded the silver medal for materia medica and the bronze medal for chemistry in 1906. He joined Parke, Davis & Co. in 1909 and became home sales manager. In 1923 he was invited by the first Lord Leverhulme to manage the Vinolia Co., Ltd., and in 1927 he moved to Chester and was appointed member of the Port Sunlight Management Board. When the British Pharmaceutical Conference met in Liverpool in 1937 Mr. Lawman was an active member of the local committee.

MR. JOHN EDWARD RICHARDSON, M.P.S., who was recently elected



chairman of the Sheffield branch of the Pharmaceutical Society, is sales director of Smith & Hill (Chemists), Ltd., Sheffield. He served his apprenticeship with Leach & Son, 34 Market Place, Macclesfield, Ches., to whom he returned as a pharmacist in 1937 after studying for the Chemist and Druggist Qualifying examination at Manchester University. From 1943 to 1945 he served Mr. A. E. Mills, M.P.S., Stockport, in his retail pharmacy before joining Burroughs Wellcome & Co. as representative in South Yorkshire. Mr. Richardson took up his present appointment in 1950. He has been, for three years, a member of the executive committee of the Sheffield Branch of the Society and is a member of the executive committee of the Sheffield Pharmacy Club.

BUSINESS CHANGES

ZEMANEK & CO., LTD., merchants, have removed to 46 Chancery Lane, London, W.C.2.

PFIZER, LTD., have removed their head office to 137 Sandgate Road, Folkestone, Kent (telephone: Folkestone 51771).

HENRY TETLOW & CO., LTD., removed to 191 Latimer Road, London, W.10 (telephone: Ladbroke 1644), on January 29.

THE pharmacy of John Stewart, 8 Cadzow Street, Hamilton, Lanarks, has been closed and the premises re-opened for photographic business that has been

transferred from 60 Chapel Street, Hamilton. The chemist section has been transferred to pharmacies already conducted at 56 Portland Place, Hamilton, and 14 Glasgow Road, Burnbank, Lanarks.

Appointments

WILLIAM FREEMAN & CO., LTD., Subaseal Works, Peel Street, Barnsley, Yorks, have appointed Mr. P. Hindmarsh representative for their Subaseal and Subamaid domestic divisions in Northumberland, Cumberland, Westmorland, and Durham.

GENATOSAN, LTD., Loughborough, Leics, have appointed Mr. H. G. Gwynne, M.P.S., their senior medical representative for the United Kingdom.

THE WEEK IN PARLIAMENT

IN a statement on the industrial use of atomic energy on January 26, Mr. DUNCAN SANDYS (Minister of Supply) said that the Ministry was building at Harwell a natural uranium reactor moderated with heavy water, which would produce a more intense flow of neutrons than was possible with present equipment. The reactor was to be used for research work but it would greatly expand the quantities and variety of radioactive isotopes that could be produced for industrial, scientific and medical purposes. The project would take four years to complete.

Cancer Research

MR. IAIN MACLEOD (Minister of Health) told Mr. W. COLDRICK on January 29 that the most recent figures available of the death rate from cancer in England and Wales were: 1950, 1,945 per million; 1951, 1,965 per million; first half of 1952, 1,938 per million. Expenditure on cancer research was undertaken by a number of bodies and no total figure is available.

ART OF DISPENSING NOT OBSOLETE

Majority Vote at Students' Debate

A DEBATE on the motion "That in the opinion of this house the recent advances of chemotherapy have made the art of dispensing obsolete" was contested between the London branches of the British Medical Students' Association and British Pharmaceutical Students' Association in London on January 30. The motion was defeated by forty-three votes to twenty-four. Mr. A. M. Barrett (School of Pharmacy, London University) was in the chair.

Opening the debate, Mr. G. E. LOVATT (London Hospital Medical School) pointed out that the motion mentioned the art and not the science of dispensing. He showed how dispensing developed in Britain as an art, but underwent a dichotomy in the seventeenth century with the use of one or two effective drugs such as digitalis. The art reached its zenith in the era of symptomatic treatment. In the chemotherapeutic era pharmacists had become scientists. The gradual abandonment of "confusion-making" grains drachms and scruples indicated that change.

Opposing the motion, Mr. N. BRADNEY (School of Pharmacy, University of London) quoted a definition of chemotherapy by Professor Adrian Albert as "that branch of selective toxicity devoted to the removal of parasites from man and animals." As hormones did not kill organisms they were not chemotherapeutic agents and the proposer's reference to them in support of the motion was irrelevant. Chemotherapy had in fact made extemporaneous dispensing more difficult, and in any case had not solved the problem of lesser ailments such as coughs and colds, which would continue to be treated in the conventional way.

MR. J. R. BROOK (London Hospital Medical School) seconded the motion. MISS PAMELA GODDEN (School of Pharmacy, Chelsea Polytechnic) supported the opposer. She described dispensing as culminating in a creation consisting of several or many parts, that blend into a harmonious whole, intended to give to man . . . pleasure in the way of mental and physical relief.

TRADE NOTES

Overalls.—Men's white coat overalls in pre-shrunk Lancashire drill are offered by Protectall Clothing Co., 530 Chester Road, Manchester, 16, who also invite inquiries from wholesalers and manufacturers for any type of overall for supply in quantity.

Display Outer.—Dalmis waterproof dressings and waterproof strapping, 1 in. x 1 yd., now available from the manufacturers, Dalmis, Ltd., Junior Street, Leicester, are now being sent in a new type of display outer taking up minimum shelf or counter space.

One-week Showroom at Blackpool.—D. Mawdsley & Co., 64 Faulkner Street, Manchester, 1, announce that they are making a display of chemists' sundries, fancy goods and seasonable novelties at the Imperial Hotel, North Shore, Blackpool, from Monday, February 16 to Friday, February 20. Pharmacists in the area are cordially invited to visit the showroom.

Bonus Offer.—Energen Foods Co., Ltd., Bridge Road, Willesden, London, N.W.10, are offering to all retailers with whom they have direct accounts a 10 per cent. bonus on increased sales during February and March, as compared with the corresponding period in 1952. The condition is a window display for a minimum of two weeks during the two months of the scheme. The two weeks may be consecutive or separate. Special display material is available to those who take part.

Acknowledgments.—The illustration of the old shopfront of J. and H. W. Judge, chemists, Wakefield (C. & D., January 24, p. 86) was by K. Scott Kilner, photographer, Wakefield. The remainder were by the staff photographer of William Mason & Son, Ltd., shopfitters, Gelderd Road, Leeds, 12. The photograph of the autoclave at the Walsall Hospitals' Group pharmaceutical laboratory (C. & D., January 31, p. 117) was by the *Walsall Observer*.

Manufacture in Australia.—British manufacturers of pharmaceutical products are invited to make use of the facilities offered by Rocke, Tompsitt & Co., 292 Flinders Street, Melbourne, for the manufacture of those products in Australia. Messrs. Rocke, Tompsitt can undertake the making of tablets, the blending and compounding of powders and granules, the preparation of ointments, creams, pastes, etc., as well as bottling, tubing, packaging and labelling.

Extended Capacity.—A. B. Bofors Nobelkrut, Bofors, Sweden, have extended their production capacity for the manufacture of iso-nicotinic acid, and expect the production of that chemical at Bofors to meet the entire Swedish demand and provide a surplus for export. Messrs. Bofors are also producing iso-nicotinic acid hydrazide in bulk and in tablets. The English agents for the company are Guest Industrials, Ltd., 81 Gracechurch Street, London, E.C.3.

Colourless Moistureproof Films.—British Cellophane, Ltd., 12 Conduit

Street, London, W.1, claim to be the first manufacturers in the world to "anchor" the coating of all their colourless, moistureproof films. The process is done at no extra cost to buyers. The new films fully satisfy the British Standard for waterproof film, and, being resistant to water as well as to moisture-vapour, are suitable for wrapping wet products and for use in moist conditions.

Joint Export Showroom.—Thermos (1925), Ltd., Seymour Road, Leyton,

London, E.10, in conjunction with the Progress Shaving Brush Co., Ltd., A. W. Goold, leather goods manufacturer, and Joseph Lamb & Co., Ltd., chemists' sundriesmen, are, on February 17, opening an export showroom at 92 Regent Street, London, W.1. The joint effort is being made as the goods of those manufacturers are non-competing and frequently purchased by the same importers. Situated in the heart of the Metropolis, this well-appointed showroom will be most convenient for the overseas trade buyers.

NEW PRODUCTS AND PACKS

Protective Skin Jelly.—A new speciality Pe Ve Gel (polyvinyl alcohol jelly) introduced by Clay & Abraham, Ltd., Liverpool, 1, is designed for the protection of the skin around surgical wounds. Polyvinyl alcohol was chosen as a base in preference to other substances because it forms a water-insoluble product which is non-irritant and may be sterilised without decomposition. To reduce the undesirable local and external action of proteolytic enzymes, Pe Ve Gel is formulated to provide an acid reaction. It is issued in screw-capped jar containing 3 oz.

Fruit-juice Beauty Lotion.—Expected to be ready on February 20, Floidam lotion, a new speciality of M. & R. Norton, Ltd. (an associated company of Cavalcade Beauty Preparations, Ltd.), 417 Battersea Park Road, London, S.W.11, is made from extracts of fruit juices. Of Spanish origin (Haugron Cientifical, Barcelona) it is being manufactured for the first time in this country. Floidam is stated to remove make-up quickly and efficiently, and to cleanse and nourish the skin. It is obtainable in two grades *peaux seches* (dry skins) and *peaux grasses* (greasy skins).

A New Sheep Remedy.—Hodges & Moss, Ltd., Castle Gates, Shrewsbury, have put on the market Winlam, a new product for the treatment of pregnancy toxæmia (twin lamb disease) in ewes. Twin lamb disease is an acute toxæmia of pregnancy due to faulty carbohydrate metabolism and treatment aims at the rapid build-up of the depleted blood-sugar reserves before severe damage has been done to the liver. At the first signs of the disease

the entire contents of a bottle are given. Winlam is not liable to purchase tax. Supplies may be obtained by chemists from their usual wholesalers or direct. It is being advertised in the farming journals as being available from chemists.

Vaginal Tablets.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, announce a new product, Milibis vaginal tablets, for the treatment of leucorrhœa. Milibis is an organic compound of arsenic and bismuth (bismuth glycolylarsanilate) of accepted value in amœbiasis. More recently it has been shown to be trichomonocidal. An important feature of the product is that it is equally effective against trichomonal, monilial or mixed bacterial infections. Successful results are achieved with minimal side-effects, and relapses are few. Treatment is simple and consists of the nightly insertion of two tablets for a period of ten to fourteen days. Milibis vaginal tablets are marketed overseas through the company's associated export company, Winthrop Products, Ltd., Africa House, Kingsway, London, W.C.2.

Tear-off-top Shampoo Sacket.—Chesebrough Manufacturing Co., Ltd., Victoria Road, Willesden, London, N.W.10, have introduced the Vaseline liquid shampoo single-sacket pack illustrated. The sacket is easy to use, since the top tears off and no scissors are needed. It can be packed safely without fear of leakage. Each sacket contains enough for one shampoo, and, as will be seen, its striped design carries a facsimile of the Vaseline liquid-shampoo bottle. A display outer is available.



PUBLIC PHARMACISTS' BRAINS TRUST

Four specialists face London Branch

A CALL for teamwork from the chief pharmacist at the Ministry of Health, the secretary of the National Pharmaceutical Union, a director of Allen & Hanburys, Ltd., and the chief pharmacist at the Westminster Hospital was probably made with his tongue in his cheek by the Editor of the "Pharmaceutical Journal" in his opening remarks as question-master at a brains trust organised by the London Branch Guild of Public Pharmacists, on January 16. Before long Mr. Noble was confessing a "foul," Mr. Hanbury was claiming a position different from that assigned to him by the question-master (of being "the only retail member" of the panel), Mr. Grainger was stealing the limelight from his reluctant colleagues with a masterly exposition of a thixotropic phenomenon, and Dr. Davis was proving that the best defence from candid friends is equal candour. Such incidents apart, the questions on the table when the evening began received answers as proper as their intelligent character deserved and as varied as the selectors of the panel must have intended. Supplementary answers gave solutions to actual technical problems.

Conferences Too Technical?

The first question asked whether science papers at British Pharmaceutical Conferences were not becoming too specialised and technical. Mr. J. C. HANBURY said that they were, because pharmacy was now more nearly an exact science and had to look for specialists to deal with its new problems. The implication of the question, however, was not correct, since the clock could not be put back. Mr. H. GRAINGER regretted a tendency to accept a preponderance of descriptions of analytical work.

Speaking next to a suggestion that only in hospitals did pharmacists carry on the work for which they were trained, Mr. GRAINGER said that in hospital pharmacy activities spread over a wider range of subjects than that to which pharmacists were introduced as students. Mr. H. NOBLE said that perhaps his experience in hospital pharmacy had been unfortunate. There was in retail pharmacy as much opportunity to use one's pharmaceutical knowledge as in hospitals, if not more. Dr. H. DAVIS detected in the question "a touch of hospital snobbery." He had visited hospitals where no evidence was visible that the person in charge was using his knowledge. Any pharmacist could find an outlet in his work for the knowledge he had gained. Mr. J. C. HANBURY said that operations on the research side of manufacture offered "almost the cream" of pharmaceutical opportunity.

The next question, which inferred a man-power shortage from current advertisements, led Mr. NOBLE to assert that no shortage existed if the present set-up was accepted as satisfactory. If pharmacists were required personally to carry out all pharmaceutical opera-

tions there would be a shortage. MR. HANBURY said there was a shortage of top-quality pharmacists, reflecting some defect in the educational system.

About small-scale manufacturing Mr. GRAINGER was reluctant to generalise. It depended on accommodation, equipment and careful costing. Dr. DAVIS said there seemed to be a halo round small-scale manufacture. Transport costs were one of the factors to study. "Know-how," which the manufacturers had, was another. Yet he would not like to see all small-scale manufacture thrown out of hospitals on purely economic grounds.

Post-graduate apprenticeship was favoured by MR. GRAINGER, provided present faults could be corrected. Dr. DAVIS found, as an examiner, that en-

trants who had served their apprenticeship before qualifying were always better, in his own subject of pharmaceuticals, than the others. MR. NOBLE was in no doubt that in retail the pre-graduation apprentice became the better pharmacist, but MR. HANBURY thought it was more logical to gain one's theoretical knowledge first.

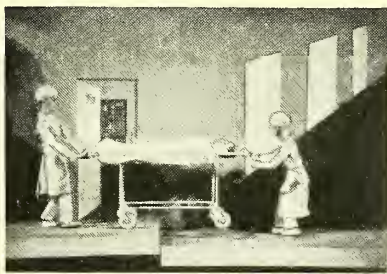
The position of the unqualified assistant should, said MR. GRAINGER, be regularised. Dr. DAVIS said it had been regularised "under the Whitley Council set-up," and should be regularised in retail practice as well.

A question put verbally concerned the apparently solid yet pourable deposit from a 50 per cent, barium sulphate suspension. MR. GRAINGER gave an explanation and offered a remedy.

NEW MEDICAL FILMS

Bloodless Surgery.—A 16-mm. film in colour which has just been made by May & Baker, Ltd., Dagenham, Essex, to show the use of hexamethonium and pentamethonium compounds in reducing blood pressure during surgical operations to minimise bleeding was shown for the first time before an audience at the Royal College of Surgeons, London, on January 8. The film runs for forty-two minutes and deals in turn, with the help of animated diagrams and chemical formulæ, with the factors affecting blood flow and pressure, the principles of ganglionic transmission and paralysis, and the pharmacology of methonium compounds. The use of those compounds in reducing bleeding in selected cases is illustrated with shots of operations made at the Queen Victoria Hospital, East Grinstead, Sussex, the Hospital for Nervous Diseases, Queen Square, London, W.C.1, and the Royal National Orthopaedic Hospital, Stanmore, Middlesex. The operations include hemi resection of the mandible; re-fashioning of a blocked tear duct; radicle mastectomy; plastic repair of chin; re-

its laboratory maintenance and chemotherapy. It may be shown as two separate 16½-minute or one 33-minute film. An introductory sequence describes briefly the three species, their history,



fashioning nose from a skin flap taken from the forehead. The film is to be available for pharmaceutical audiences.

Liver Fluke and Schistosomiasis.—A 16-mm. film newly produced by the Wellcome Film Unit for showing to parasitologists, pharmacologists and medical practitioners shows in great detail and in full colour the life cycle of *Schistosoma mansoni*, one of three important species of human schistosome.

the present-day epidemiology of schistosomiasis, and the drugs available for treatment. The life-cycle of *Schistosoma mansoni* is illustrated with living material obtained from experimental infections in mice and hamsters. Animated diagrams show how the eggs pass into the faeces, the stages of development within the snail vector, the cercariae penetrating the skin of the host, and their subsequent passage to the liver and circulatory system. In the chemotherapy sequence the worm distribution in infected mice both before and after treatment with active drugs is discussed, and the activities of different drugs in mice are compared. A point of considerable interest is that the film was made possible by the establishment by Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, of a tropical aquarium laboratory for the culture and study of the snail vector, *Australorbis glabratus*. The illustration above is of the laboratory.

FIGURES IN THE PHARMACEUTICAL WORLD

MR. Donald Hudson was voted to highest office in the National Pharmaceutical Union in 1952. What influenced his colleagues in their choice was not, probably, any gifts of oratory or active partisanship. His speeches, usually read from notes, need to be studied to reveal their solid content and meticulously careful preparation. A hint of the weight of Mr. Hudson's contribution to current pharmaceutical affairs comes when he is called upon to deal with questioners. His profound knowledge then comes into play—a knowledge gained by personal contact over many years with the everyday problems of a business of unusual range and character.

Ideals and Ambitions

The business is, indeed, the embodiment of ideals that were engendered in boyhood and have only become intensified through the years. Mr. Hudson served his apprenticeship in Eastbourne under the late Mr. Arthur Mills who, on his return from South Africa, continued to exercise a pharmaceutical resource which in those days (1910-14) was a condition of business survival in that country. Completing his pharmaceutical studies while still too young to qualify, Mr. Hudson enlisted in the Special Brigade, Royal Engineers, in 1915, and remained with them till November 11, 1919. Within a few months he was qualified and engaged by Parris & Greening as qualified assistant. In 1923 he was promoted manager, and from 1926, when Mr. Greening retired, he was in sole control, in 1928 becoming managing director. The development of the business along the lines he had laid down occupied his very great energies and abilities almost exclusively, and they were not available in organisational affairs until, in 1943, he was persuaded to take over the chairmanship of the Brighton and Hove Association of Pharmacy. The following year he was elected to the chair of the Brighton and Hove Branch of the Pharmaceutical Society. In 1947 he stood successfully for membership of the N.P.U., and in 1948 was first elected to the Council of the Pharmaceutical Society. In addition he has been vice-chairman of the South-eastern Federation of Pharmacy Associations (1943-48), and chairman of the first Franco-British Pharmaceutical Congress, Brighton, 1951. He is chairman of the British section, Franco-British Pharmaceutical Commission. In 1930 he was elected an associate of the *Biologistes Pharmaciens de France*, and within the past few days he has been appointed an *Officier de la Santé Publique*.

Unique Characteristics

To visit the pharmacy of Parris & Greening, Ltd., at Church Road, Hove, is to discover why the man who controls it has so much to offer his colleagues in the organisation of their profession. Dr. Unna (of Unna's paste fame) said of it "We have not in Germany, not even in Hamburg, anything comparable." Whether there is anything comparable in Britain is doubtful.



2. Mr. DONALD W. HUDSON

The business is built around a principle: "Science applied to pharmacy," which Mr. Hudson has worked out to its ultimate logic, taking pharmacy to mean the provision of anything required in medicine or surgery, anything in treatment or convalescence. Its fulfilment has meant making available many items not normally found in a pharmacy, and providing many of them on hire as well as for purchase. It has involved being ready to make at short notice many things not kept in stock (possibly not even obtainable elsewhere). And since the slogan is "Service, not goods," it has meant, for Mr. Hudson, rejection of sidelines such as the sale of photographic, optical and fancy goods.

There remain three principal departments: the dispensing and pharmacy department; the laboratory; and the

surgical instrument and appliance department (with subdivisions for oxygen therapy and electro-medical equipment). In the dispensing department every prescription is handled by a team of three people. One copies and prices the prescription and writes the label; a second dispenses; and a third has the dual function of checking label and product and of examining the prescription when first presented to decide whether it shall be dealt with in the routine dispensary, passed upstairs to the pharmacy department (if it involves any process such as emulsification), or to the laboratory (if it involves any item for injection). In the laboratory are carried out also analytical controls for the pharmacy department and dispensary, all tests under the Therapeutic Substances Act (and Mr. Hudson's T.S.A. licence extends to vaccines,

tuberculin, etc.), and biochemical and bacteriological investigations for the medical profession. Both pharmacy department and laboratory are large and handsomely, even lavishly, equipped. They would put to shame not a few similar departments still to be seen in institutions.

In the surgical department are stocks so comprehensive and so varied, and handled with such intimate knowledge, that it would be difficult to find a parallel, even among wholesale sup-

pliers. Not content with standard instruments and appliances kept ready for instant supply, Mr. Hudson has established workshops for the maintenance of surgical instruments and medical equipment and for making instruments to special design, or surgery furniture of non-standard pattern. It is hardly surprising to learn that he supplies surgical instruments direct by post to surgeons and hospitals in many home and overseas centres

Orderliness and system govern every

department. However extensive or complicated the stock may become, it is so arranged at Parris & Greening that it can be instantly located in shelf or showcase. The same order, military in character, prevails in every room and corner, at once reflecting the character of Mr. Hudson and enabling him to have at his finger tips a phenomenal knowledge of every department of pharmaceutical practice—a knowledge valuable indeed to the profession as a whole.



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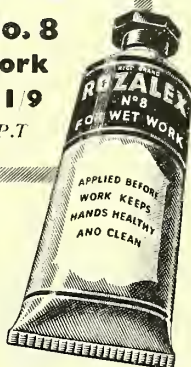
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An Invidious D.D. Position

THE fact that National Health Service prescriptions written in one area may be dispensed in any other area may lead to chemists being faced unfairly with an insoluble problem under Dangerous Drugs legislation. For a chemist must legally take steps to satisfy himself that the prescription is genuine, yet the prescriber may be in another district. The chief inspector of the Pharmaceutical Society, who drew attention to the matter recently at Edgware (see p. 126), himself could not suggest any general procedure more practicable than educating the public not to take D.D. prescriptions to areas where the prescriber was not known. How to educate in that way patients who may not know or be intended to know that a narcotic has been prescribed for them is a matter for conjecture. The only satisfactory way of dealing with an unworkable legal requirement of that kind is to amend the offending clause. Until that is done chemists are in an unenviable position.

Proposals for Leasehold Reform

AFTER considering the various reports laid before it on the subject of leasehold reform, the Government has published its proposals. At present, premises let for the purpose of a trade or business are governed by two measures: the Landlord and Tenant Act, 1927, and the Leasehold Property (Temporary Provisions) Act, 1951, the latter being a temporary measure originally intended to expire on June 24, 1953, but now to be continued until December 25, 1954. The 1951 Act has a scope less wide than the Act of 1927, being limited to shop premises on which a retail trade is carried on (though a trade consisting of the sale of services, as distinct from the sale of goods, may, for the purpose of the Act, constitute a shop, so long as the activities are carried on at the premises themselves). In practice, however, the 1927 Act has fallen short of the purpose for which it was intended, owing to the difficulty of establishing the existence of goodwill and its attachment to the premises themselves.

The Government aims to confer improved and permanent security of tenure on all persons carrying on any trade or business, and to extend the benefit to premises used for professional purposes. Upon the expiry of a tenancy, the landlord is to be entitled to possession if he requires the premises for his own business or for a scheme of redevelopment. In other cases, the sitting tenant is to have a preferential right against all other persons to continue in occupation, and his tenancy, if continued, is to become a statutory tenancy.

The terms of the new statutory tenancy will, in fixing the rent, discount any increase in value resulting from improvements executed by the tenant, or from goodwill created by him. In default of agreement, other terms of the tenancy are to be determinable by tribunal. A tenant not entitled to renewal will be entitled to compensation, which will be, where the tenant has been in occupation for not more than fourteen years, a sum equal to the rateable value; and, where the occupation was for a longer period, twice the rateable value. A tenant will not be entitled to compensation for a period of occupation of less than five years. A sitting tenant will not be granted renewal if in substantial breach of his covenants, or otherwise unsatisfactory, or if he has declined an offer of suitable alternative accommodation or failed to exercise a reasonable option for a renewal.

The Government proposes to extend the benefit of the Leasehold Repairs Act, 1938, to all classes of trade or business premises. Under that Act the leave of the Court is necessary before any action can be taken by the landlord on the repairing covenants, and the right of the landlord to insist on performance of the covenants may be restricted by the court. Covenants restricting the execution of improvements, or user, or assignment, or underletting, are also to be brought into line. Permission of the landlord remains necessary but is not to be unreasonably withheld.

A Bill is being introduced to give effect to the Government's proposals.

EMERGENCY WATER CHLORINATION

WATER contaminated through flooding is likely to contain a considerable amount of decaying vegetable matter so that a relatively high concentration of chlorine is required for sterilisation. It is not sufficient to add to a given volume of water a sufficient quantity of a chlorinated compound to give a calculated concentration of chlorine. The criterion is the concentration which remains after the water has been standing for twenty minutes. The following is a method of adjusting the chlorine concentration of water (Mackie, C. & D., 1947. I. 345):—

Weigh carefully gr. 2 of potassium iodide and dissolve in 4 fl. oz. of distilled water. Measure 1½ fl. dr. of the solution and make up to one pint with distilled water. Repeat the latter operation using 3 and 4½ fl. dr. respectively to a pint. This will give concentrations of iodide equivalent to two and a half, five and seven and a half parts of chlorine per million of water. Place equal quantities in similar measures (Nessler glasses are better if available). Add a few drops of Dakin's solution, a little acetic acid, and a drop or two of starch mucilage. These will provide standard colours. Bleaching powder must be added to the drinking water until, after standing twenty minutes and placing the same quantity as was used of standard solutions in a similar measure, adding excess potassium iodide solution, acetic acid, and a little starch mucilage, the depth of colour corresponds to five parts per million. The two coloured solutions representing two and a half and seven and a half parts per million provide a check.

Five parts per million is higher than is normally required, but in the circumstances is necessary. When required for drinking, a crystal of sodium thiosulphate may be added to the water to mask the odour and taste of the chlorine. It has been found that water so treated can be used in bread making as the concentration of chlorine does not interfere with the action of yeast and does not impart a taste to the bread.

The contaminated water is likely to contain fine suspended or colloidal material which is not removable by filtration. Chemical coagulants when added to water react with alkaline salts present in the water yielding a gelatinous hydrous oxide which forms into visible flocs. At the same time the colloidal matter in suspension is co-precipitated

and the whole is amenable to filtration. The most readily obtainable coagulant is aluminium alum. The amount to be used varies between five and sixty parts per million. Alum also reduces the alkalinity or reduces hardness of water. Coagulation should be carried out before chlorination.

Onward from Galen

A CURRENT CAUSERIE

SEVERAL cases have been reported in which a chemist contractor under the National Health Service has been penalised for a breach of his terms of service after he had supplied an article, such as a sealed packet of a surgical dressing, exactly as packed by the manufacturer. That it happened to be unsatisfactory in some way was no fault of the contractor. A case in point occurred quite recently when the Hull Executive Council accepted a recommendation from its Pharmaceutical Service Committee that £2 2s. should be deducted from the remuneration of a contractor who had supplied an unsatisfactory packed item against a test prescription. On that occasion the wholesalers who had supplied the contractor expressed regret and were willing to accept full responsibility for the unsatisfactory condition of the product. The contractor had been supplied, they said, with samples from an untested batch. While imposing the penalty the Executive Council commented upon the fact that the contractor was fundamentally innocent. Of course he is, and it should not be beyond the wit of man to devise a method of distinguishing between faults for which the contractor is personally responsible and those for which he is only responsible at second hand. Admittedly the problem is difficult, because nobody wishes to upset the present contractual arrangement between Executive Council and chemist without being satisfied that what is substituted is better from every point of view, manufacturers' packed items being only one.



THE flood disaster of last week-end with all its unfortunate loss of life and widespread damage to property, is likely to have a considerable effect on the insurance industry. At this stage no estimate can be made of the claims which the insurance companies will have to meet, although within two days hundreds of claims had been received. Where the contents of private homes are insured under comprehensive policies, the policies usually include flood and storm damage, but for buildings such as private houses they are frequently excluded although for an additional premium that risk can be included. Business and commercial premises, both in respect of the buildings themselves and their contents, are not insured under comprehensive policies, except to a limited extent for retail shop premises. Various special perils including storm and tempest are frequently added to fire policies. Insurance against floods is less common but a good deal of business is said to be transacted.



THE Ministry of Health is already taking steps to make medical practitioners under the National Health Service more conscious of the cost of the drugs they prescribe. The pharmacist at Worthing Hospital (Mr. F. R. Elkins) has advocated in the *British Medical Journal* a more intensive campaign, directed specifically towards any proprietary medicines that have a standard equivalent or can be made extemporaneously. Since the name a doctor remembers is, by reason of manufacturers' propaganda, often the proprietary name, Mr. Elkins suggests that an authority should be established officially to survey (a) existing proprietary preparations and relate them "in terms of composition and cost" to other and equivalent preparations; and (b) all new preparations. His further suggestion that publicity equal to commercial publicity for proprietary preparations should be given to the non-proprietary ones, and to approved names, would in practice be difficult to apply,

for manufacturers could be expected to keep raising their bids, while public money could hardly be spent to an unlimited and unbudgeted extent. The advantage is weighted in favour of the manufacturers but at least the authorities could, with a little effort, produce simpler names than they do and thus refrain from intensifying the manufacturers' normal competitive lead in securing the doctor's goodwill.



THE value in packaging of a plastic-coated paper is obvious, but the technical difficulties of producing it are considerable. It is therefore good news that the first machine in Britain capable of producing commercial quantities of polythene-coated paper has been set up by a Scottish company, the Clyde Paper Co. The method used is an extrusion-lamination process elaborated in the United States, and the product is a chemically inert wrapping that is resistant to most chemicals, and may be used for packing even deliquescent compounds. It has, moreover, a considerable flexibility at extremes of temperature.



THE promise of hecogenin, a by-product of the sisal industry as a cortisone precursor, has already been referred to in this paper (*C. & D.*, 1952, 11, 84). Further information about its possible commercial exploitation is contained in a report made recently to the Board of Trade by the National Research Development Corporation. The Corporation is sponsoring a hecogenin-production pilot-plant in East Africa, based on a laboratory unit set up jointly by the Medical Research Council and the East African Industrial Research Board. Arrangements are being made with a well-known commercial firm to install and operate the plant under contract, and with the East African Industrial Research Board to provide control and supervision.



SAFETY propaganda sometimes appears in such peculiar places on highways that one wonders whether motorists are not being tempted to endanger public safety by braking hard in order to read it, or worse still, trying to read it without drawing up. That is not to deny the value of suitable propaganda in the right place. An obvious focus for publicity on the subject is the factory, and to employ a professional publicity "expert" for the purpose seems sensible. An advertising director who was pressed into service in that field recently gave his observations to the central metropolitan group of the London Industrial Committee of the Royal Society for the Prevention of Accidents. He had to deal with about twelve works under about six different branch managements, in six different parts of the country. Some were reasonably up-to-date, others old-fashioned. He found that generalised poster propaganda was not actively effective. "The poster which comes from the bottom up, rather from the top down, is the most useful. By this I mean that there is more value to be obtained from one poster that exploits a purely local situation . . . than a dozen that generalise in an abstract way on some odd phase of accident prevention." The speaker did not believe that the "homely, badly drawn and badly lettered local affair, designed by some home-spun genius" had any real value. If accident prevention propaganda was to be taken at its face value then it should have a good face. Therefore local ideas were encouraged, but the posters were produced professionally.

CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

FLOOD DAMAGE IN WEST NORFOLK

SIR,—To allay any misgivings with pharmacist friends elsewhere, you may like to assure them that, apart from one pharmacy at South Lynn, no pharmacies have been affected by flooding in West Norfolk. Handicapped by the fact that our business telephone is still out of order, we have had no information about places outside Lynn, but it is understood that actual towns and villages where pharmacies exist are all right, the damage being on the low-lying coastal fringes. As soon as it was realised that the South Lynn pharmacy of Mr. L. Bowskill had once again been affected, a message was sent on behalf of the members of the local National Pharmaceutical Union and Pharmaceutical Society Branches, offering Mr. Bowskill any help and urgent replacement stocks if needed. He replied thanking us for the kind offer, and said he would avail himself of the help should he get tied up. It was gathered that he had cleared up most of the damage by the Sunday morning.

F. C. BENTLEY
KING'S LYNN.

same reasoning could as well be applied to a *must* as to a *must not*, and it seems that the hitherto accepted practice of requiring trade-union membership may itself come under question. Without doubt, the outstanding point for all pharmacists to observe from the R.P.U. news item is that it would appear that, somewhere, the view is held that pharmacists in a particular sphere should not be permitted to join that Union if they so desire. The R.P.U. has performed a valuable service to all employee pharmacists in taking steps to dispel this illusion.

BRISTOL

H. LONG

PAYMENTS TO A COUNTRY CHEMIST

SIR,—Your readers will recall the exchange of correspondence in your columns in November and December 1952 between Mr. H. R. Thurgar of Great Missenden and myself, arising out of Mr. Thurgar's belief that he had been underpaid to the extent of 26 per cent. for National Health Service prescriptions he had dispensed in the period September 1950 to January 1952. He attributed this underpayment to the operation of the "averaging" system of "pricing" prescriptions with a net ingredient value of under 5s. I found it impossible to accept Mr. Thurgar's "evidence," and it was agreed that such of the prescriptions as were still in existence should be obtained from the pricing bureau and priced in full in the Central Checking Bureau to establish the relation between the amounts which Mr. Thurgar had received and what he would have received if the system of full pricing had been in operation. Prescriptions are sent for salvage six months or so after they have been priced in the official pricing bureau, and we were therefore only able to obtain the prescriptions for the seven months April, July and September-to-December 1951 and January 1952. The prescriptions totalled 5,735; the payment Mr. Thurgar had received was £1,095 6s. 2d.; the payment he would have received under a system of full pricing would have been £1,091 2s. 6d. The "averaging" system had therefore resulted in his receiving 0.38 per cent. more than he would have received under full pricing. In other words, the difference between averaging payments and full pricing figures was less than a penny in the pound. It would obviously have been much more satisfactory to Mr. Thurgar and myself had the prescriptions for the whole of the sixteen-month period been available for checking. Nevertheless, even if the checking we have carried out does not satisfy Mr. Thurgar it will perhaps satisfy other contractors that his assessment of the results of the averaging system was based on fallacious reasoning wide of the mark. Lest my position in relation to the averaging system of pricing be misunderstood, may I be permitted to add that no-one would be more pleased than I to see its withdrawal and a return to full pricing. Even though I am satisfied that, over a period, the averaging system works out with a reasonable degree of equity (e.g., within 1 per cent. up or down) it is a system which is repugnant to business principles and should be withdrawn as soon as the pricing bureaux can price a month's prescriptions in full in a month, the prescriptions being sent in in "doctor-order" to facilitate pricing.

LONDON, W.C.1

H. NOBLE, *Secretary*,
NATIONAL PHARMACEUTICAL UNION

FORMULAS ON DISPENSED MEDICINES?

SIR,—At the present time, when it appears that an effort is being made to raise the status of pharmacy, it is rather surprising that, in general, pharmacists do not adopt the Continental system of disclosing formulas on the labels of dispensed medicines. Prior to N.H.S., various Insurance Committees numbered the formulas, and chemists often inserted the number on the label. The disadvantage of that system was that doctors tended to prescribe "Mist. 51." and difficulties might arise where two or more Insurance Committees operated, as the numbering was not uniform. Subsequently chemists in some areas, like my late father, put abbreviations on the labels such as "NaSal." etc., which made it clear to the doctor afterwards inspecting the label

HOSPITAL PHARMACISTS AND THE INTERNATIONAL FEDERATION

SIR,—The 15th Assembly of the *Fédération Internationale Pharmaceutique* is to be held in Paris from September 13 to 20. Our French colleagues are making special arrangements for meetings of hospital pharmacists during the Assembly, and it is expected that the plenary session will endorse a recommendation of the bureau to constitute the hospital pharmacists as an official section of the *Fédération* at that Assembly. Scientific and technical papers will be read in the meetings of the science section, and papers concerning hospital practice and administration will be read before special meetings of hospital pharmacists. I shall be glad to hear as soon as possible from any hospital pharmacist who purposes to attend the Assembly, so that any future communications may be passed on. Anyone who wishes to submit a paper should note that ten minutes is allowed for its reading. It should occupy not more than six sheets of double-spaced typing, and must be submitted to the secretary in Paris not later than May 1. Accompanying the full text should be a *précis* in English and French. The conference will be conducted in English and French only. I should be glad to hear at an early date from anyone intending to submit a paper. Any prospective member who is interested in group travel facilities (e.g., by charter plane or by sea and rail collection ticket) should indicate that in his letter. Arrangements are still at a preliminary stage, and an early indication of members' wishes will be helpful in formulating plans.

HERBERT S. GRAINGER, *Chief Pharmacist*,
LONDON, S.W.1 WESTMINSTER HOSPITAL

FREEDOM OF ASSOCIATION

SIR,—Since there appear to be approximately 900 pharmacists in co-operative employment, your news item regarding membership of the Retail Pharmacists' Union (*C. & D.*, January 24, p. 74) calls for comment. It will no doubt come as a surprise to the majority of pharmacists, wherever engaged, that it was deemed desirable to publicise what is surely a basic and self-evident truth—their right of "freedom of association." Views of pharmacists on trade-union membership may vary, but that any obstacle should be placed in the way of those who may wish to associate with their fellows in a professional union is unthinkable. Taking a common-sense view, it is not unreasonable that large-scale employers may prefer collective negotiation, and therefore make trade-union membership a condition of service. Co-operative undertakings are not unique in that respect. The practice is widespread and of long standing and, after all, neither the condition nor the employment need be accepted by those who prefer "rugged individualism." We live in changing times, however, and only last year it was ruled by the courts that an employer should not insist that employees should *not* be members of a trade union, such insistence being held to be an unwarrantable intrusion upon personal liberties. The

what the contents were. When employing pharmacists it was difficult in some instances to get them to agree to this system, as they objected on "ethical" grounds. It may be argued that this is objectionable on the grounds of disclosure of treatment, but there is a vast difference between treatment in the nineteenth century and today. How many patients read their N.H.S. scripts? Surely such abbreviations as "NaSal" would not reveal much to patients. There may be objections on a commercial basis, as a patient requiring further supplies (but not wishing to go for a prescription) might possibly go to a competitor. Without entering on the ethics of such a transaction, the freedom of choice enjoyed by holders of EC10 forms largely invalidates that objection. The system has certain advantages. It may be argued that doctors should keep proper records, but they may be consulted in times of emergency or consult another partner in circumstances where the record is not immediately available, or patients may consult another doctor whilst convalescing away from home. The production of the

container in such circumstances enables the doctor to know exactly what treatment has been given. An actual case may be cited. A prescription was dispensed for codein. co. tablets. No abbreviation was inserted. On the next visit the patient took the remainder to another doctor, who prescribed a sulphonamide tablet, thinking that they were identical. Again, without reflecting on the standard of medical care, it has been apparently necessary for certain hospital skin departments (judging from reports in the medical journals) to introduce "tablet boxes" comprising most of the different capsules and tablets to be shown to the patient to try and find out what the patient has been taking. As any policy should aim at preventing mistakes, and at facilitating the patient's treatment, it would seem that the general use of abbreviations on containers would be valuable. For those cases where a doctor considers it should not be done, a brief "dog-latin" injunction could be inserted on the original EC10.

NEWCASTLE-ON-TYNE, 1.

A. FORSTER

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the National Pharmaceutical Union Executive Committee and of the directors of the Chemists' Defence Association, Ltd., were held in London on January 28, Mr. D. W. Hudson in the chair. THE SECRETARY reported that congratulatory messages had been sent on behalf of the Executive to Mr. H. Glyn-Jones, Q.C., upon his appointment as a High Court Judge and to Mr. Lyon (Clerk, London Executive Council) upon whom an O.B.E. was conferred in the New Year's Honours List.

Notification of Election

Notification of election and invitation to submit nominations will be issued on or about February 2; nominations receivable up to March 2. Voting papers issued on March 10 will be returnable not later than March 23. Result of election will be declared on March 25.

Reports of meetings of the Business Services, Publications and Price List, and Central N.H.S. (Chemist Contractors) Committees held the previous day were received and approved. A report of a meeting of the Chemists Federation council held on December 4, 1952, was received. THE SECRETARY also reported that Messrs. P. D. J. Spaanderman, S. J. Stearn and W. J. Tristram were due to retire from the C.F. council on January 31, but were eligible for re-appointment and that Messrs. A. Aldington, E. A. Brocklehurst and D. W. Hudson would continue to represent the N.P.U. on that body until January 31, 1954. MR. TRISTRAM asked that his name should not go forward for re-appointment and MR. BROCKLEHURST asked that he should be permitted to tender his resignation as a member of the C.F. council at its next meeting. With regret the Executive Committee accepted Mr. Tristram's resignation and granted Mr. E. A. Brocklehurst's request.

The following were appointed as N.P.U. representatives on the C.F. council for the two years ending January 31, 1955:—Messrs. P. D. J. Spaanderman, S. J. Stearn and W. T. Rees. Mr. H. G. Moss was also appointed to replace Mr. Brocklehurst on the council during the unexpired period of his membership of the council, namely until January 31, 1954. The following deputies for representatives not able to attend regular meetings of the council were also appointed:—Messrs. Brocklehurst, H. Holmes, L. H. Teare and F. G. Wells.

THE SECRETARY reported that the Board of Trade had referred to the Monopolies Commission for investigation under Section 15 of the Monopolies and Restrictive Practices (Inquiry and Control) Act 1948 certain types of trade practice including resale price maintenance arrangements and limited channels of distribution. The Committee was of the opinion that if any action detrimental to the interests of pharmacists were taken by the Board of Trade the present basis of Health Service remuneration would be upset.

It was reported that the Board of Trade accountants, acting for the Ministry of Health, were on the point of completing investigations into the claims for increased

dispensing fee and an increased container allowance. Arrangements were made for representatives of the Central N.H.S. Committee to meet the Ministry to continue the discussions on the basis of payment for proprietary preparations. The discussions would be based on the proposals which were agreed at the conference of Pharmaceutical Committee representatives held in November 1952. A number of points in connection with the prescription levy scheme were discussed, including the difficulty arising when a patient for whom elastic hosiery has been ordered, refuses to collect the hosiery and pay the levy charge. Representations were to be made to the Ministry for a more satisfactory procedure to be adopted. Representations had been made to the British Medical Association about the potential dangers of doctors ordering medicines for children and adults, or two or more adults on the same form without any indication that more than one individual was involved; and a meeting between representatives of the Central N.H.S. Committee and of the B.M.A. was arranged to be held to find a solution. The Committee noted the appreciable reduction in numbers of prescriptions awaiting pricing in the Bureaux and received a report from the secretary on correspondence between himself and the Ministry, in which he had indicated again that the aim of the Central N.H.S. Committee was still full pricing.

The following resolution was received from the Norwich Branch of the N.P.U.:—"That the Branch is gravely perturbed that the council of the N.P.U. is in accord with the National Chamber of Commerce legislation for the closing of shops. Every effort should be made to retain the general closing hour of 6 p.m."

Amendments to the Draft Revised Statement on Matters of Professional Conduct issued by the Council of the Pharmaceutical Society were suggested. It was reported that following joint discussions between representatives of the Council of the Pharmaceutical Society, and of the N.P.U. Executive on December 12, 1952, certain tentative modifications of the original revised Draft were to be discussed further in the Society's Council.

Donation to Pharmaceutical Conference

In view of the special circumstances arising out of the Coronation year making the 1953 meeting of the British Pharmaceutical Conference in London a special occasion it was resolved that a donation of £105 should be made from N.P.U. funds towards the general funds of the Conference.

THE SECRETARY reported that the Board of Trade had made an announcement that it was prepared to receive and consider views from interested parties on the recommendations (on the metric system) by the Committee on Weights and Measures Legislation which were issued in May 1951. It was resolved that the matter should be referred to the liaison Committee with the Pharmaceutical Society.

Arrangements were made for the N.P.U. Branch Representatives' Conference to be held on February 26.

ESSENTIALS OF TREATMENT

A C. & D. "post graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

BY A MEDICAL MAN

6. BRONCHITIS AND PNEUMONIA

TO name many diseases in which the prognosis has been altered so much for the better as has happened with bronchitis and pneumonia, following the discovery of modern chemotherapeutic agents and antibiotics, would be difficult. It is convenient and logical to describe bronchitis under two headings—acute and chronic.

Acute Bronchitis

Acute bronchitis has its highest incidence amongst the very young and the elderly, and it frequently arises as a result of an upper respiratory infection. It is therefore frequently associated with pharyngitis, tracheitis and laryngitis. The distinction between many cases of severe acute bronchitis and broncho-pneumonia is largely a matter of the physical signs elicited by the doctor, and since the treatment of the two conditions is virtually identical, to differentiate between them is rather of theoretical than of practical importance. Normal practice is to assume the presence of the more serious condition of broncho-pneumonia, which is always immediately preceded by bronchitis. Broncho-pneumonia and bronchitis normally result from an acute upper respiratory infection, which spreads down the lining tissues of the respiratory passages and may radiate into the lung tissue surrounding the bronchi, so that a pneumonia occurs.

Although specific chemotherapy, which includes the use of modern antibiotics, has helped treatment immensely as a result of the ability of chemotherapeutic agents to destroy the infecting organisms, it has neither replaced nor reduced the necessity of providing relief of symptoms, either by the use of other drugs or by nursing skill. The first essential is to confine the patient to bed in a room that is well ventilated and has a warm and even temperature. The latter factor is most important, because blankets and other bed clothes weigh heavily upon the chest of the patient and impede his respiration, quite apart from aggravating the pain. The quantity of bed clothes must be the minimum consistent with keeping the patient warm. He should be placed in bed with his chest and shoulders raised, so that he is in a semi-sitting position, with his back supported by pillows and his knees by a bolster placed beneath them. The diet should be light but have a high calorie value, and provide a low residue. In the feverish state it is essential to maintain an adequate calorie intake. In former years, starvation used to be ordered for febrile patients, but that practice has long since been discarded. Milk puddings, ice cream, custards, eggs, broth and similar foods provide an adequate diet. In the early stages, there is an irritating non-productive cough accompanied by pain behind the sternum. These are relieved by taking an expectorant mixture such as the following, which will increase the bronchial secretion and have the effect of reducing its viscosity:—

R Potass. iodid.	gr. ii
Potass. citrat.	gr. xxx
Tinct. ipecac.	mx
Syr. tolu.	ʒi
Ext. glycyrrh. liq.	mx
Aquæ chlorof. ad	ʒss.
Misce fiat mist.	
Sig. ʒss. q.q.h. ex aq.	

If the cough is accompanied by much pain, tinct. opii cam-

phorat. may be added to the mixture. Much relief can also be obtained from the application of a light kaolin poultice to the chest wall, but it is essential that it should be light in weight and removed when cold. Frequent changing is therefore necessary. While it is desirable to loosen the bronchial secretion and encourage its expectoration, it is also essential to see that the patient has adequate rest in the form of sleep. To do this, it is desirable in many cases to give a sedative linctus at night and an admirable prescription is provided by linctus codein. co., B.P.C., one to two teaspoonfuls, or a similar dose of linctus scillæ co., B.P.C.. In some cases, these can be supplemented by butobarbitone or amyl barbitone, while in a few selected cases morphine or heroin may be indicated.

In some of the more severe cases, the patient becomes dehydrated and that is indicated by a dry skin, dry tongue, low urinary output and a low blood pressure. Care must be taken to prevent dehydration and circulatory collapse, and if the patient is unable to take the necessary fluid by mouth, intravenous transfusions of glucose saline are indicated. In this manner, the electrolyte balance of tissue fluids is maintained. When circulatory collapse does occur, cardiac and respiratory stimulants such as nikethamide, aminophylline and methyl amphetamine sulphate are valuable. If the pulse is irregular, digoxin can help. Warmed and moist oxygen should not be withheld, and its administration is essential if cyanosis is present. Oxygen can be given either by means of a face mask, by intranasal catheter, or by placing the patient in an oxygen tent.

In a few cases, difficulty in expiration occurs, possibly owing to a spasm of the bronchial muscles. In such cases ephedrine sulphate, gr. $\frac{1}{2}$, or tinct. stramonii, min. xv, provides relief. Antipyretics are not generally indicated, since many patients find that adequate relief is given by tepid sponging.

Chronic Bronchitis

Chronic bronchitis is more an affliction of the elderly than the young. If it occurs before the age of forty, it is frequently the result of bronchiectasis or frequent respiratory infections as a child. Emphysema, a condition in which full expansion and therefore ventilation of the lungs is not possible, is often an associated condition. The first essential in a case of chronic bronchitis is a full medical examination, to determine whether or not there is an underlying cause. It may be part of a broader syndrome finding its origin in cardiac disease or the occupation of the patient. In all cases the fundamental cause should be treated.

General treatment is on lines similar to acute bronchitis although some modifications have to be made. It is obviously impossible to insist on a bed regime, but the patient should avoid extremes of temperature, damp fogs and the like. He should not work in a dusty atmosphere but he should seek indoor employment. Excessive clothing weighs heavily upon the chest, restricts breathing and thereby aggravates the condition. Much still remains to be done to correct the popular belief that a "weak chest" requires layer upon layer of clothing. Breathing exercises are most important and their value is much enhanced if they are given to a class rather than as individual tuition. Drugs

used to provide relief are the same as for acute bronchitis and they are given in the same combinations.

Pneumonia

The treatment of broncho-pneumonia has already been described under the heading "acute bronchitis." Two further common types are described *lobar pneumonia* and *atypical or virus pneumonia*. Lobar pneumonia, as the name implies, spreads not by radiation from the bronchi but rapidly through all the tissues of a lobe. It has a sudden onset, with pain in the chest particularly on inspiration, acute toxæmia and high temperature. In days before chemotherapy the condition progressed and unless the patient died a crisis was reached, after which recovery was gradual. The lung tissues become consolidated and the alveoli fill with cell secretions and bacteria.

General treatment is similar to that described for broncho-pneumonia. There is some division of opinion, however, concerning the efficacy of expectorant mixtures. Following their administration, patients tend to vomit. There is some evidence to suggest that most of the exudate present in the alveoli is absorbed by autolysis, and thence via the blood stream is excreted by the kidneys. It is said that expectoration only plays a minor part in the resolving condition. For that reason many physicians prefer to omit expectorant mixtures from their treatment and include diuretic mixtures such as the following:—

R Potass. citrat.	gr. xxx
Sodii bicarb.	gr. xx
Liq. ammon. acetat.	ʒi
Aque chlorof. ad	ʒss.
Misce. fiat mist.	
Sig. ʒss. t.d.s. ex aq.	

Pain and restlessness during the acute stages may be relieved by morphine, gr. $\frac{1}{4}$ to gr. $\frac{1}{2}$. In the later stages of the disease, however, morphine is seldom indicated, and it is only given in special circumstances. Kaolin poultice can be applied in the same manner as for acute bronchitis, and cardiac stimulants, oxygen, etc., are given under similar conditions to those already described.

Virus or atypical pneumonia does not cause the same toxæmia as lobar pneumonia. Many cases are quite mild.

Chemotherapy

There is no doubt that chemotherapy has revolutionised the treatment of these conditions, and pharmacists are well acquainted with the drugs and the dosages employed. It is essential that the drugs used should always be present in the blood stream in an adequate concentration throughout the twenty-four hours of the day. It is normal practice to initiate treatment by a dose larger than the maintenance one, and if possible to give it parenterally in order to secure an early high blood concentration. There is no doubt that many of the bacteria have become resistant to some of the sulphonamides, and if there appears to be no response to their administration after about 18-24 hours, the possibility of resistance must be considered. Sulphapyridine and some other sulphonamides tend to make the patients feel very depressed. Sulphadiazine and sulphadimidine are suitable sulphonamides. Of the antibiotics it is doubtful if the newer ones have any advantage over penicillin except in the case of the virus pneumonias. There are compounds of penicillin, which are excreted to some extent via the lungs, and, if they are given, local concentration of penicillin in the lung tissues is increased. Acute bronchitis and/or the pneumonias are potentially serious illnesses and for that reason parenteral penicillin is preferable to oral preparations. Chloramphenicol, aureomycin and terramycin have all been used in the treatment of virus pneumonias, but their indiscriminate use is not indicated either on clinical or economic grounds.

Chemotherapy is not indicated in the treatment of chronic bronchitis, except where an acute exacerbation occurs. It is sometimes helpful for occasional inhalations of penicillin solutions to be administered, particularly in cases where there is much purulent sputum.

MEDICAL ABSTRACTS

A CONTROLLABLE HYPOTENSIVE AGENT?

THE belief is held by Magill and others (*Lancet*, 1953, I, 219) that an agent may have been found in Arfonad (*d*-3, 4-(1',3'-dibenzyl-2'-ketoimidazolido)-1,2-tri-methylene thiophanium *d*-camphor sulphonate) that enables hypotension to be produced and controlled, and is without the disadvantages of the methonium compounds. The drug was brought in from the United States.

DIONOSIL IN BRONCHOGRAMS IN CHILDREN

THE following advantages of the use of Dionosil (*n*-propyl ester of 3:5-diiodo-4-pyridone-*N*-acetic acid suspended in water with the aid of sodium carboxymethyl cellulose) are found by Rendle-Short (*British Medical Journal*, 1953, I, 259): speed of absorption from the lungs; a small alveolar spread; and absence of need to hurry to take the film. The disadvantages are that coughing may be troublesome unless anaesthesia is good, and that Dionosil can easily "gum up" the syringe.

TRIETHYLENE MELAMINE IN CANCER

COATED tablets of triethylene melamine were found to have a beneficial effect in Hodgkin's disease, chronic leucæmia, and in two other cases of reticulo-endothelial disease in trials conducted by Paterson and Kunkler of the Christie Hospital and Holt Radium Institute, Manchester, and Walpole of Imperial Chemical Industries, Ltd., Research Laboratories, Hexagon House, Manchester (*British Medical Journal*, 1953, I, 59-64). The results corroborate previous findings concerning the use of the drug intravenously. In Hodgkin's disease a dose of between 0.2 and 0.3 mgm./kilo, undivided or spread over two to three days was suitable. The possibility of damage to the hæmopoietic system should be borne in mind.

HOPES FROM GT41 (MYLERAN)

TRIALS with GT41 or Myleran (1:4 dimethanesulphonyloxybutane) in a series of patients with chronic myeloid leucæmia were carried out at the Royal Cancer Hospital, London, by Galton (*Lancet*, 1953, I, 208). The drug was given orally in 2-mgm. tablets, two to five daily for 4-16 weeks or two to three daily for 1-6 days. All the patients responded initially to the treatment, but nine (out of nineteen) relapsed within six months. The response in three patients was comparable with the best results of radiotherapy. The investigation was prompted by the discovery, reported by Haddow and Timmis (*ibid.*, 207), that the compound, a substituted nitrogen mustard, showed an intense inhibitory effect on the growth of a type of carcinoma in the rat.

A NEW LONG-ACTING INSULIN

RESULTS with a new Danish preparation of zinc insulin, described by Lawrence and Oakley (*British Medical Journal*, 1953, I, 242-44) support the claim by the manufacturers, Novo Laboratories, Copenhagen, that the preparation exerts a hypoglycæmic action lasting for twenty-four hours. The action is strong enough to control blood sugar of moderately severe diabetics throughout the day without causing hypoglycæmia during the night. The preparation is made with the use of acetate buffer which prepares a suspension of pure insulin at the pH of the blood in the presence of small quantities of zinc. The crystal size is graded to give insulins of three speeds of action—semi-lente, lente and ultra-lente.

NEW REPOSITORY FORM OF PENICILLIN

A SPARINGLY soluble penicillin complex formed by coupling *N,N'*-dibenzylethylenediamine with penicillin has been subjected to trials on volunteers by Fletcher and Knappett of the Department of Bacteriology and the Wright-Fleming Institute of Microbiology, St. Mary's Hospital Medical School, London (*British Medical Journal*, 1953, I, 188-89). Serum levels of penicillin were better sustained than with any repository penicillin preparations yet developed. The authors say that even if the injections were spaced as far apart as fourteen days a summation of effect might occur. Further clinical study however was necessary before the danger of sensitisation could be assessed. The preparation Penidural (benzethacil) was supplied by Wyeth Incorporated, Philadelphia, Pennsylvania.

NEW BOOKS

Organic Chemistry

I. L. FINAR, B.SC., PH.D., A.R.I.C. *Longmans, Green & Co., Ltd.*, 6 Clifford Street, London, W.1. 9 $\frac{3}{4}$ × 6 in. 40s.

THOUGH not written for a particular examination, the book covers the general honours degree of London University and to a smaller extent part I and part II of the special honours degree in chemistry of the University. The author introduces the student to the electronic theories of organic chemistry early as he claims that they "give a coherence to the subject that is soon appreciated by the beginner." To encourage the student to assess for himself the value of chemical evidence, and to avoid giving the impression that everything works to plan, the author discusses straightforward and controversial developments. The controversial and more advanced material is usually in smaller type.

Kingzett's Chemical Encyclopædia

RALPH K. STRONG, PH.D. (EDITOR). *Baillière, Tindall & Cox*, 7 Henrietta Street, London, W.C.2. 9 x 6 in. Pp. xii + 1,186. Eighth edition. 70s.

AFTER a history of seven editions under a sole editor, the unique *Encyclopædia* enters a new phase reflecting the far wider and more complex ramifications of the subject today, for it has been produced under one editor but with a team of nine specialist contributors. The result is naturally a volume of much greater size than formerly, and it is gratifying to note that some part of the increased size is occasioned by the greater attention given to pharmaceutical chemistry (contributor: Mr. J. W. Hadgraft, Ph.C.). Of the other contributors five are American, but the important fields of vitamins and chemical engineering are covered by British chemists, as also is organic chemistry, for which the specialist chosen was Mr. L. K. Sharp, Ph.D. (lecturer in pharmacy, University of London). In all, about 700 important changes have been made, either by extending or revising former articles or by adding new subjects, or by including new charts, tables and diagrams, making the whole work, as Sir Robert Robinson points out in a foreword, not a substitute for a library, but a guide to deeper reading, a book for everyday use at the working desk rather than for the library shelf.

A Source Book in Chemistry 1400-1900

HENRY M. LEICESTER and HERBERT S. KLICKSTEIN. *McGraw-Hill Publishing Co., Ltd.*, 95 Farringdon Street, London, E.C.4. 9 × 6 in. Pp. ix + 554. 64s.

THE book, one of a series of "source books" in the history of the sciences, traces the development of modern chemistry by quoting the "most significant" passages from the works of the leading contributors to the subject. The selections are representative of the development of chemistry between the years 1400 and 1900. For reasons of space, material is restricted to that which illustrates the development of theory only. Among advisers to the editors were Dr. George Urdang (director, American Institute of the History of Pharmacy) whose advice is perhaps revealed by the inclusion of Paracelsus, who might be described as the first "modern" pharmacist; and Dr. F. Sherwood Taylor (director, Science Museum, London). The writings of the better-known chemists predominate because, as is explained in the preface, it was they who chiefly influenced the development of chemistry. For example, although catalysis was discovered before Berzelius proposed that name for the phenomenon, it was his authority which brought about the recognition of catalysis as a fact. The contents of the book include selections from the writings of eighty-one scientists, a bibliography of biographical material, and an index. Complete references to the sources are given.

Organic Chemistry

E. E. TURNER, M.A., D.SC., F.R.S., and MARGARET M. HARRIS, PH.D. *Longmans, Green & Co., Ltd.*, 6 Clifford Street, London, W.1. 10 × 6 in. Pp. xi + 904. 50s.

IN a subject on which, in the words of the preface, "it is no longer possible to write an up-to-date book" on account of both the slowness of preparation and publication and the subject's own rapid progress, it is necessary to choose between dealing exhaustively with a relatively narrow aspect of the subject and providing a balanced picture of the

broad field without attempting to specialise. Broadly following the second course, as the authors have done, it is possible to deal with the subject at an elementary, an advanced, or an intermediate level. The book takes the student to the point at which he is ready to begin the reading necessary for a research, in whatever branch of organic chemistry he chooses. It discusses the fundamental aliphatic, alicyclic, aromatic and heterocyclic groupings from the standpoints of structures, configuration and synthesis. Due stress is laid on the connection between manufacturing processes and natural source. To expect complete impartiality on so vast a subject would be unreasonable, and it is admitted by the authors that their special interest has been molecular configuration, the mechanism of reaction and the constitution of naturally occurring substances. Even assuming that those preferences are passed on to the reader and that they have the effect of deciding him on which specialised extension of his studies he will pursue, they are no bad influences. Chapters on the plant alkaloids; the vitamins; steroid compounds; glycols and diamines; sulphonic acids, phenols and alcohols—to take a few, more or less at random—indicate that the book has its importance to the pharmaceutical chemist—perhaps particularly so if he has had to neglect other headings over which he would have liked to spend more time. A short bibliography is provided, but in the text the name of an author is regarded, no doubt in order to save pages, as sufficient reference (without supplementary details) to other published works.

LEPER NO LONGER

A tribute to Sulphone

I HAVE been stricken
With that fell disease
Now must I live
Not seeing those I love—
An outcast I.
Much better were it
For me then to die.
A living death
Is all I have to live
Year after year,
Shunned by the human race
A leper—
Oh, the horror of that name
Accursed,
The very synonym of shame!

A miracle!
Dear God, can it be true?
Is this new drug
The hope for which I've lived?
Can I again
My friends and loved ones see?
Shall I no longer be accursed
And shunned?
Shall I again
Become a living man
With all his hopes
And with his urge
To live?

Yes, it is true....
The dreadful loathsome horror
For me is gone.
I am again a man
To live my life
As once I hoped to live.
Dear God,
How can I thank you
For this boon
And all those men
Who helped to find
A foe to this
Most dread and fell disease.

HERBERT A. BERENS

MISCELLANEOUS INQUIRIES

Sherwood's Liniment

What is the formula of Sherwood's horse liniment?—J.M.T.

THE formula is as follows:—

Camphor	3 oz.
Tincture of cantharides ..	3 fl. oz.
Tincture of capsicum ..	3 fl. oz.
Spirit	20 fl. oz.
Tincture of arnica ..	30 fl. oz.

Lacquer Remover

Is there any solvent that will remove lacquer from the hands?—T. McF.

A SUITABLE solvent may be prepared by mixing:—

Toluol	50 parts
Butanol	5 parts
Butyl acetate	15 parts
Ethyl acetate	20 parts
Lanolin	6 parts
Diglycol laurate	1 part

Removal of Rust

Is there a practicable chemical method of removing rust from iron and steel articles?—F.S. (22/12).

RUST may be removed from suitable articles by the application of a hot saturated solution of sodium pyrophosphate, a soluble iron compound being formed that is easily washed off. Another method is to apply a hot 5 per cent. solution of potassium acid tartrate, wash, apply a 5 per cent. sodium acetate solution and wash again.

Preserving Flowers

Can you give details of the method of preserving flowers by dipping them in melted wax?—W.E. (11/11).

THE technique is, holding the stalks, to dip the fresh-cut flowers, free from moisture, into melted hard paraffin, avoiding the formation of air bubbles. A mixture of two parts white soft paraffin to one part hard paraffin has been found rather easier to manipulate.

Weed Killer

Can sodium chlorate be used as a weed-killer on ground that will be used for cropping?—A.M. (26/7).

SODIUM chlorate as a weed-killer is usually "given" an effective life of six months. On that basis it will, if applied in the autumn, normally be well washed out by the next cropping season. Its use for the purpose is not, however, to be universally recommended.

Milk as a Cement

How is milk used as a cement for repairing china and crockery?—W.A.L. (11/12).

MILK is considered by some to be the simplest and best cement for repairing china in the home. The broken parts are tied firmly together (tape is more satisfactory than string) and boiled in skimmed milk for $\frac{1}{2}$ to 1 hour, and allowed to cool in the liquid. After being wiped dry the articles are allowed to stand for two days and then washed with warm water.

GUIDE TO NEW MEDICAMENTS

Giving information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are available free to subscribers on application to the Editor.

ANGISED

MANUFACTURER: Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.

DESCRIPTION: Glyceryl trinitrate in a stabilising base containing glycerin and lactose. INDICATIONS: Angina pectoris. FIRST ISSUED: November 1952.

DOSAGE: One or two tablets (see below) sublingually.

HOW SUPPLIED: In bottles of 100 and 500 scored compressed tablets each containing 0.5 mgm. (gr. 1/130) of glyceryl trinitrate. Issued for dispensing only.

REFERENCES: Stephenson and Humphreys-Jones, *Journal of Pharmacy and Pharmacology*, 1951.3.767.

MINEL (Veterinary)

MANUFACTURER: Imperial Chemical (Pharmaceuticals), Ltd., Wilmslow.

DESCRIPTION: A powder containing: Phenothiazine (dispersable), 59.02 per cent.; hexachlorethane (dispersable), 39.34 per cent.; cobalt sulphate, hydrated, 0.82 per cent.; copper sulphate, 0.82 per cent.

USE: Control of worms and liver fluke in sheep and cattle.

DOSAGE: As directed, at monthly intervals during the winter, as a drench.

HOW SUPPLIED: In tins containing 1 lb. or 7 lb. FIRST ISSUED: October 1952.

PERIHEMIN

MANUFACTURER: Lederle Laboratories Division, Cyanamid Products, Ltd., Bush House, Aldwych, London, W.C.2.

DESCRIPTION: Capsules each containing: Exsiccated ferrous sulphate, 192 mgm.; folic acid, 0.85 mgm.; vitamin B₁₂, 10 microgm.; ascorbic acid, 50 mgm.; powdered stomach, 100 mgm.; insoluble liver fraction, 350 mgm.

INDICATIONS: Hypochromic and megaloblastic anæmias.

DOSAGE: For severe megaloblastic anæmias, three capsules three times daily after meals. In other anæmias, one capsule three times daily after meals.

HOW SUPPLIED: In bottles of 100 and 1,000. FIRST ISSUED: January 1953.

NOTES: If cases prove resistant to Perihemin, further exploration of the ætiology and additional therapeutic measures should be instituted. Achlorhydric patients may require dilute hydrochloric acid in addition.

HP ACTHAR Gel

MANUFACTURER: The Armour Laboratories, Lindsey Street, London, E.C.1.

DESCRIPTION: A purified preparation of adrenocorticotrophic hormone (ACTH) in a fluid gelatin medium for use as repository injection.

INDICATIONS: Rheumatoid arthritis, rheumatic fever, acute lupus erythematosus, severe bronchial asthma, drug sensitivities, contact dermatitis, most acute inflammatory diseases of the eye, acute pemphigus, exfoliative dermatitis, ulcerative colitis, acute gouty arthritis and secondary adrenal cortical hypofunction. FIRST ISSUED: December 1952.

CONTRAINDICATIONS: Known psychosis, chronic glomerulonephritis, Cushing's syndrome, active or recently healed peptic ulcer and tuberculosis.

DOSAGE: If less than 80 Armour or international units daily are required, the amount is administered as a single injection. Otherwise the preparation is administered in two equal doses twelve hours apart.

HOW SUPPLIED: In potencies of twenty and forty Armour or international units per c.c., in 5-c.c. vials. The preparation is supplied in Great Britain only to the Ministry of Health for allocation to hospitals, etc., for research.

CARBO-RESIN

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: A mixture of cation and anion exchange resins containing alkylene polyamine resin (anion exchange), 12 per cent.; and carboxylic acid resin, 59 per cent., and potassium salt of carboxylic acid resin (cation exchange) 29 per cent.

INDICATIONS: For the removal of sodium ions in the treatment of condition where there is abnormal retention of sodium by the kidney.

DOSAGE: Initially 16 gm. in 6 fl. oz. of tap or distilled water (artificially softened water containing sodium ions should be avoided) three times a day. For the removal of œdema fluid the dose must be large enough to produce a negative sodium balance. For maintenance it must keep the balance between intake and output of sodium. Experiment in each case is necessary. Daily doses vary between 48 and 100 gm. Precautions: Low salt syndrome may occur if a negative sodium balance is maintained for long. A potassium resin should not be given to patients with anuria.

HOW SUPPLIED: In 1-lb. bottle.

FIRST ISSUED: October 1952.

SANESCOL

MANUFACTURER: H. R. Napp, Ltd., 3 Clements Inn, London, W.C.2.

DESCRIPTION AND FORMULA: A powder containing in each two teaspoonfuls the following in approximately the amounts stated: Dry extract of belladonna, gr. $\frac{1}{2}$; kaolin, 2 gm.; aneurine hydrochloride, 2 mgm.; riboflavine, 1 mgm.; nicotinamide, 5 mgm.; ascorbic acid, 5 mgm.

INDICATIONS: Colonic infection, particularly mucous and ulcerative colitis.

DOSAGE: *Adults*: Two teaspoonfuls, stirred in a little water or milk, twice daily, immediately before or after meals. *Children*: In proportion according to age, or as directed by the physician.

HOW SUPPLIED: In bottle of 60 gm.

FIRST ISSUED: November 1952.

CONTHYRIN

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION AND FORMULA: Tablets in two strengths: Conthyrin 50, containing methylthiouracil, 50 mgm., and l-thyroxine sodium, 0.1 mgm.; and Conthyrin 100, containing methylthiouracil, 100 mgm., and l-thyroxine sodium, 0.1 mgm.

INDICATIONS: Thyrotoxicosis.

DOSAGE: Initially: Usually three Conthyrin 100 tablets daily for three to four months. Maintenance: Three Conthyrin 50 tablets daily for six to eight months. If thyroid enlargement occurs, only the dosage of thyroxine should be increased.

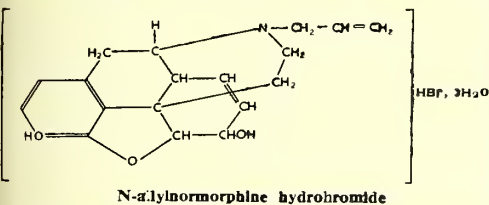
HOW SUPPLIED: In bottles of fifty or (dispensing size) 500 tablets (both strengths).

FIRST ISSUED: December 1952.

NOTES: In some patients thiouracil may produce a rash, urticaria, fever or agranulocytosis. Patients should be told to report sore throat, pyrexia, or other illness immediately. Results of trials are to be published.

LETHIDRONE

MANUFACTURER: Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.



DESCRIPTION: N-allylnormorphine hydrobromide (a morphine derivative in which the N-methyl group has been replaced by an N-allyl group), an antagonist of morphine, pethidine, amidone and related analogues.

INDICATIONS: The treatment of overdose with morphine, pethidine, amidone and related

analogues. In obstetrics, given before delivery to minimise foetal depression due to maternal analgesia.

DOSAGE: 10-40 mgm.

HOW SUPPLIED: In box of six ampoules of a solution for injection containing 10 mgm. in 1 c.c.

FIRST ISSUED: November 1952.

REFERENCES: Eckenhoff, Elder, and King (1952) *Amer. J. med. Sci.*, 1952, 223, 191; *World Health Organisation Technical Reports Series*, 1952, 57, Annex. 1, p. 13

PHENOCTIDE

BRAND NAME: OCTAPHEN*.

MANUFACTURER: Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1.

DESCRIPTION: β -p-Tertiary octylphenoxyethyl diethyl benzyl ammonium chloride, a bacteriostatic detergent.

INDICATIONS: Sterilisation of hands and skin, cleansing and disinfection of wounds and burns, dermatology, obstetrics and gynaecology.

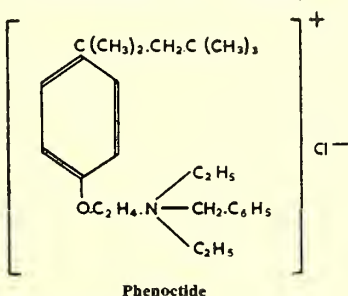
USE: General use, a 0.5 per cent. aqueous solution. Therapeutic use, particularly in dermatology, a 1 per cent. aqueous solution may be preferred. For pre-operative sterilisation of the skin, a 0.5 solution in 50 per cent. alcohol.

HOW PACKED: In containers of 50 and 500 gm. and 2 kilos.

FIRST ISSUED: October 1952.

*Cross reference for card index:

OCTAPHEN: See PHENOCTIDE

**AMERICAN APPROVED REMEDIES**

Preparations accepted by the American Medical Association's Council on Pharmacy and Chemistry for inclusion in its list of "New and Non-official Remedies":—

SALICYLAZOSULFAPYRIDINE (5-*lp*-(2-pyridylsulphamyl)-phenylazol-salicylic acid).—Because of its affinity for connective tissue this substance has been proposed for use in chronic ulcerative colitis. Dosage: Adults, 1 gm. four to six times daily by mouth with no interval of more than eight hours between doses; children over age seven years, 0.5-1 gm. 3-6 times daily; 5-7 years, 0.25-0.5 gm. 3-6 times daily. Supplied as tablets Azulfidine (0.5 gm.) by Pharmacia Laboratories, Inc., New York.

SELENIUM SULFIDE.—A mixture of crystalline selenium monosulphide and solid solutions of selenium and sulphur in an amorphous form. Supplied by Abbott Laboratories, North Chicago, Illinois, as a buffered stabilised suspension: 118.3 mls containing a detergent and 25 mgm. of selenium sulfide per mil. Use: For application to the scalp in the treatment of seborrheic dermatitis and the control of seborrhea sicca (dandruff). It is not effective against ringworm caused by *Microsporon audouinii*. Before application the hair should be shampooed with ordinary soap and rinsed with water.

HYDROCORTISONE ACETATE (17-hydroxy-corticosterone-21-acetate).—Has the same qualitative metabolic and therapeutic effects as cortisone acetate but causes less irritation and promotes a more prolonged and intense local effect when injected into intra-articular spaces affected by rheumatoid- and osteo-arthritis. Dose: For intra-articular injection the amount to be injected and the interval between injections varies with the inflammation, the size of the involved joint, and the response of the patient. Small joints usually require 5-10 mgm., larger, 15-37.5 mgm., repeated when symptoms recur. Supplied as a saline suspension containing 25 mgm. of hydrocortisone acetate per mil and preserved with 0.9 per cent. benzyl alcohol by Merck & Co., Inc., Rahway, New Jersey.

CHLOROTRIANISENE (chlorotris-(*p*-methoxyphenyl)-ethylene).—Shares the actions and uses of the oestrogens but when administered orally the oestrogenic activity recovered in the stool exceeds that of the amount administered. The potency of the drug is enhanced by some metabolic process. It is stored in and slowly released from body fat and therefore it has a prolonged action. Average dose for relief of menopausal symptoms: 12-24 mgm. daily by mouth. 24 mgm. daily has been effective in relieving the symptoms of prostatic cancer. Packed in capsules containing 12 mgm. dissolved in corn oil by Wm. S. Merrell Co., Cincinnati, Ohio.

NEW GERMAN PROPRIETARIES

Information from German pharmaceutical periodicals about recently introduced proprietary specialities:—

SECRETAL (capsules containing 0.125 gm., or 0.250 gm. unsaturated higher fatty acids with two double bonds with a high content of therapeutically active isomers).—Indicated in various forms of hepatitis. Dose: First day, one small capsule three times daily; second day, four times daily; third day, five times daily; fourth and following days, one large capsule three times daily. Supplied in packs of 20 and 100 capsules of either strength by Chemische Fabrik Promonta, G.m.b.H., Hamburg (*Apothekertz*, December 1952).

BROMTHALEIN.—Supplied in packs of three and ten capsules of 10 mls containing 0.5 gm. phenoltetrabromophthalcin-disodium sulphate in stable, aqueous solution (pH, 4.5-5.5) by E. Merck, Darmstadt. Indications: For testing functional activity of liver, 5 mgm. (0.1 ml) per kilo body weight are injected for testing degree of damage to liver function. (*Apothekertz*, December 1952).

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, FEBRUARY 4: Business in PHARMACEUTICAL and FINE CHEMICALS was somewhat patchy during the week. Whilst there were no important price changes a number of pharmaceutical chemicals, recently imported for the first time, are having a depressing effect on the prices quoted by British manufacturers, particularly where large orders are at stake. On the other hand there is an indication that THEOPHYLLINE (which is wholly imported) is becoming firmer. If that tendency continues (and there is just grounds for believing that it will) the price of AMINOPHYLLINE will be affected.

The CRUDE DRUGS market was quiet during the week. CASCARA SAGRADA is becoming increasingly scarce on the spot and at origin. SLIPPERY ELM BARK too, is virtually unobtainable from source. Shipment prices for ERGOT are firmer and spot material is quoted 1s. per lb. higher than previous levels. Among SPICES, CLOVES were firm at previous levels, and Mombasa CHILLIES advanced by 15s. per cwt. at origin. White Sarawak PEPPER was also marked up during the week by about fourpence halfpenny per lb. for spot material. Jamaican GINGER however declined by about 7s. 6d. per cwt.; thus following the pattern set by African material over the past few weeks. HONEY is in tight supply at the moment, and minimum rates for Australian are at least 5s. per cwt. up on those ruling last month. There is little hope of any improvement in supplies before the next crop is available. SHELLAC eased by 2s. 6d. per cwt. and WAXES remained substantially unaltered. In AROMATIC SEEDS demand for CORIANDER in Morocco has fallen off and shipment prices are easier.

Among the ESSENTIAL OILS, ANISE is firm with shipment offers from China negligible. A fair amount of business has been done in LEMONGRASS with the result that offers of spot material are at least threepence per lb. higher. Bourbon GERANIUM was also firm during the week. Among the oils which tended downwards were Chinese PEPPERMINT, LAVANDIN, EUCALYPTUS, Madagascar CLOVE LEAF and BOIS DE ROSE.

UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, FEBRUARY 3: Some, but not all, producers have advanced LIQUOR AMMONIA by \$4 per ton, making the present range from \$86 to \$90 per ton, tankcars, f.o.b., works. TERPIN HYDRATE was reduced to 60 cents per lb. (down 10 cents), in expectation of greater competition. Brazilian MENTHOL finally turned firmer as buying increased, with lowest quotations now \$5.15 per lb. (up 10 cents). Crude GLYCERIN has been firm, while a good future demand for refined GLYCERIN is anticipated. Limited supplies have pushed JUNIPER BERRIES up 4 cents to 16 cents per lb. Another reduction brought COPAIBA BALSAM down to 80 cents per lb. (5 cents). In ESSENTIAL OILS, SPEARMINT is firmer at \$8.20 per lb. (5 cents). Lower per lb. are SANDALWOOD at \$9.00 (down 50 cents); RUE, \$1.20 (15 cents); and BOIS DE ROSE, \$3.50 (20 cents).

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 61s. 6d.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

ASPIRIN. — Prices are as follows:—5-cwt. lots, 4s. 9d. per lb.; 1-cwt., 4s. 9½d.; 28-lb., and under 1-cwt., from 5s. 7d. to 6s., according to pack. Rates per 1,000 for TABLETS are as follows:—5,000, 5s.; 5,000 and over, 4s. 10d.; 10,000, 4s.; 25,000, 4s. 7d.; 100,000, 4s. 5d.; 250,000, 4s. 4½d.; 1 million, 4s. 3d.

BENZOIC ACID.—1-cwt. lots are 3s. 0½d. per lb. The SODIUM SALT is 2s. 10½d. per lb. in 1-cwt. lots.

BUTOBARBITONE.—B.P.C. is 75s. per lb. in 1-cwt. lots.

CITRATES.—Rates (per lb.) are as follows:—POTASSIUM, 1-cwt. lots, 4s. 1½d.; 28-lb., 5s. 1d. SODIUM, 1-cwt., 3s. 6½d.; 28-lb., 4s. 5d. (powder of both salts one penny more). CALCIUM, 1-cwt., 4s. per lb. IRON and AMMONIUM, granulated, 1-cwt., 4s. 5½d.; 28-lb., 5s. 7d. (Scales are threepence per lb. more.)

DEXTROSE, B.P.—Rates (per lb.) are as follows:—

MONOHYDRATE	1-4 cwt.	5-cwt.
	s. d.	s. d.
1-lb. carton ...	1 11½	—
7-lb. tin ...	1 10½	1 9
14-lb. tin ...	1 9½	1 8
28-lb. tin ...	1 8½	1 7½
	Above, less 12½ per cent. to wholesalers, delivered.	
In bulk ...	£127 per ton, ex works or store, for minimum 1-ton lots.	

ANHYDROUS	1-4 cwt.	5-cwt.
	s. d.	s. d.
7-lb. tin ...	2 0	1 10
14-lb. tin ...	1 10½	1 9
28-lb. tin ...	1 9	1 8½
	Above, less 12½ per cent. to wholesalers, delivered.	
In bulk ...	£132 per ton, ex works, for minimum 1-ton lots.	

HEXOBARBITONE. — B.P. in 1-cwt. lots is 70s. per lb.

LACTATES.—CALCIUM, B.P., is 2s. 10½d. per lb. in 1-cwt. lots; 28-lb., 3s. 2½d.; 7-lb., 3s. 6½d. per lb. CALCIUM SODIUM, B.P.C., for the same quantities is 4s. 6½d., 4s. 10½d. and 5s. 2½d. per lb. LACTIC ACID, B.P., in 12 winchester lots is 4s., and 3 winchesters, 4s. 4d. per lb. Carboys are 3s. 9d. per lb.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £17 10s. and £20 per ton, according to size of crystal and manufacture. Exsiccated is £34 per ton.

OPIATES.—Home-trade rates (per oz.) for quantities of 5 oz. and upwards are as follows:—CODEINE.—Alkaloid, hydrobromide, iodide, 54s. 8d.; hydrochloride and sulphate, 47s. 8d.; phosphate, 41s. 4d. DIAMORPHINE.—Alkaloid, 56s., hydrochloride, 51s. ETHYLMORPHINE.—Alkaloid, 59s.; hydrochloride, 50s. 4d. MORPHINE.—Alkaloid, bimeconate and tartrate, 57s.; acetate, hydrochloride, hydrobromide and sulphate, 47s.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P. is 1s. 6d. per lb.

POTASSIUM NITRATE. — Pharmacopœial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

SODIUM SULPHATE.—Makers' prices are from £10 10s. to £15 10s. per ton as to quantity for B.P. crystals.

STEARATES.—Prices for minimum 1-ton lots are as follows:—ALUMINIUM (all grades), £246 per ton; CALCIUM (precipitated), £224; LEAD (30 per cent.), £226; LITHIUM, ordinary quality, £453; MAGNESIUM, £245; ZINC, £247.

TEREBINTH.—B.P. is 2s. 3d. per lb. for carboy lots.

THEOBROMINE.—Prices are as follows:—

	1-cwt.	28 lb.	7-lb.
	s. d.	s. d.	s. d.
ALKALOID, B.P.C. ...	25 0	26 0	27 0
and CALCIUM SALICYLATE ...	20 0	21 0	22 0
and SODIUM BENZOATE ...	19 6	20 6	21 6
and SODIUM SALICYLATE, B.P. ...	18 6	19 6	20 6

Lower quotations for 5-cwt. lots.

THYMOL.—In 28-lb. lots the price is 21s. per lb.

TRIETHANOLAMINE. — Commercial grade is about 2s. 8d. per lb. for drum lots, ex warehouse.

Methylated Spirits

METHYLATORS' rates per gall. in Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall. and over in one delivery, 6s. 0½d.; 100 gall. and under 500 gall., 6s. 2½d.; 30 gall. and under 100 gall., 6s. 4½d.; 10 gall. and under 30 gall., 6s. 6½d.; 5 gall. and under 10 gall., 6s. 9½d. Strength 64 o.p., 1d. per gall.; 66 o.p. (B.P.), 2d.; 68 o.p., 2½d.; and 74 o.p., 8d. more than the above rates. Tank wagon delivery: One halfpenny per gall. off list price:—minimum 500 gall. For industrial methylated spirit of standard toilet quality prices are 5d. per gall. above foregoing prices.

Pyridinised industrial methylated spirit: Strength 61 o.p., 500 gall. and over, in one delivery, 6s. 3d.; 100 gall. and under 500 gall., 6s. 5d.; 30 gall. and under 100 gall., 6s. 7d.; 10 gall. and under 30 gall., 6s. 9d.; 5 gall. and under 10 gall., 7s. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Mineralised methylated spirit: Strength 61 o.p., in one delivery, 100 gall. and under 500 gall., 6s. 6d.; 30 gall. and under 100 gall., 6s. 8d.; 10 gall. and under 30 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 1d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Methylated resin finish is 3d. per gall. over, and methylated shellac finish, 1s. per gall. over the prices for pyridinised methylated spirit.

TERMS: Delivered free and carriage paid on returned empties; cash one month less 2½ per cent.; packages charged, credited in full on return.

Crude Drugs

ALOES. — Prime Cape is unchanged forward at about 157s. 6d. per cwt., c.i.f., spot is offered at 172s. 6d. Curaçao is 350s. per cwt., landed terms.

ARECA NUTS.—A parcel is offered at 42s. 6d. per cwt. on the spot.

BENZONIN.—No. 1 Sumatra block on the spot is quoted at from £25 5s. per cwt. and for shipment, £23 10s., c.i.f. Siam almonds are from 20s. to 27s. 6d. per lb., spot, as to size.

CARDAMOMS. — Aleppy greens are offered on the spot at 12s. 6d. per lb.

CASCARA SAGRADA. — Firm. American bark, 1951 peel, is about 315s. per cwt., duty paid, and new crop, for shipment, 295s., c.i.f.

CHILLIES.—Sierra Leone on the spot are 160s. per cwt.; for shipment, 135s., c.i.f., nominal; Mombasa, 215s., c.i.f., and 230s., spot.

ERGOT. — Portuguese for shipment is 16s. per lb., c.i.f., and 17s., spot.

GINGER. — African on the spot is 82s. 6d. per cwt., and forward at 75s., c.i.f. Spot quotations for Jamaican are about 105s. for No. 3.

GUM ACACIA. — Kordofan cleaned sorts on the spot are 90s. per cwt.; new-crop, February-March shipment, 82s., c.i.f.

HONEY. — Spot supplies of Australian are from 105s. to 120s. per cwt., as to quantity; Jamaican is scarce and prices are nominal; Argentine is quoted from 115s. to 125s.

JALAP ROOT.—Brazilian is offered on the spot at 2s. per lb.

LIQUORICE.—Natural whole root, spot: Anatolian, 55s. per cwt.; Russian, 50s.; Syrian, 40s. to 42s. 6d. Block juice quotations are firmer at from 195s. upwards, according to holder, duty paid. Turkish stick is 250s. per cwt., duty paid; Italian stick, 475s. per cwt., duty paid.

MENTHOL. — Brazilian is 42s. per lb. Chinese, 56s. 6d., both duty paid on the spot. Shipment: B.azilian, 40s.; Chinese, 50s., both c.i.f.

MYRRH.—Aden selected sorts are quoted at £16 per cwt., on the spot. Siftings are from £7 10s. to £8 10s., and granulated, £13.

PEPPER. — White Sarawak on the spot is offered at 10s. 9d. per lb., ex wharf; afloat, 10s. 7½d., and February-shipment at 10s. 1½d., c.i.f. Black Malabar, 1,070s. per cwt., spot, and Black Sarawak, 9s. 4½d. per lb.

PODOPHYLLUM.—*Emodi* root on the spot is 170s. per cwt. *Peltatum*, 336s.

RHUBARB.—Quiet. Shensi is 11s. 6d. per lb.; Double Deer No. 1, 7s.; with other grades of Chinese rough round at from 3s. 9d. to 6s., all duty paid.

SARSAPARILLA.—Jamaican native red is from 2s. 3d. to 2s. 6d. per lb., as to holder. Shipment is 2s. 1½d., c.i.f.

SEEDS.—**ANISE.**—Quiet. Turkish, 144s. per cwt., duty paid, and 132s. 6d. in bond; Cyprus, 142s. 6d., duty free, all spot London. **CARAWAY.** — Dutch are again easier, 87s. 6d. per cwt. now quoted, duty paid. **CELERY.** — Indian unchanged. Sellers asking 1s. 10½d. per lb., spot London. **CORIANDER.** — Demand poor. Spot: Morocco, 34s. to 35s. per cwt., duty paid, and 32s. 6d. in bond; English, 70s. Shipment: Morocco now 32s. 6d., c.i.f. **CUMIN.**—Little interest shown. Spot: 145s. per cwt.; Indian, 180s.; Malta, 170s.; Morocco, 155s., duty paid. Shipment: Cyprus, 120s.; Morocco, 150s., c.i.f., London basis.

DILL.—Indian is 80s. per cwt., spot London. **FENNEL.** — A little mid-European offering at 200s., duty paid, and Indian, 220s., on the spot. **FENUGREEK.** — Morocco, 44s., duty paid, ex store London or Liverpool. **MUSTARD.**—English, 80s. to 92s. 6d. per cwt., according to quality.

SENNA. — *Timnevelly* LEAVES: Prime No. 1 on the spot is 1s. 4d. per lb.; Prime No. 2, 1s. 2d.; Prime No. 3, 11d.; f.a.q., 10d. **PODS, f.a.q.,** from 1s. 2d. to 1s. 4d.; hand-picked range from 2s. to 3s., ex wharf. *Alexandria* **PODS,** manufacturing 1s. 10d. to 2s. 3d.; hand-picked, 3s. to 6s.

SHELLAC. — Lower. Spot quotations are:—F.O.T.N., pure, 172s. 6d.; F.O. standard No. 1, 187s. 6d.; fine orange, 215s. to 265s. per cwt., ex-London warehouse.

STYRAX.—Spot is 5s. 9d., per lb., duty paid.

VALERIAN.—Indian is offered at 135s. to 137s. 6d. per cwt., spot. Belgian at about 200s.

VANILLIN.—Present rates (per lb.) are as follows:—5-cwt. lots, 35s.; 1-cwt., 35s. 3d.; 56-lb., 35s. 6d.; smaller quantities, 35s. 9d.

WAXES.—**BEES'**—Dar-es-Salaam, spot, 435s. per cwt., March - April shipment, 415s., c.i.f. Sudanese and Abyssinian, 365s., c.i.f.; spot, 410s., duty paid. **CANDELLA.** — Spot is 645s. per cwt. **CARNAUBA.** — Prime yellow, spot, 1,220s. per cwt.; shipment, 1,190s., c.i.f.; fatty grey, spot, 935s. per cwt., 930s., c.i.f. **MONTAN.**—Reibek crude on the spot is 135s. per cwt. **OURICURI.**—Spot, 0.5 per cent. impurities, 690s. per cwt. **SPERMACETI.**—Case lots are 2s. per lb.

Essential and Expressed Oils

AMBER.—Rectified on the spot is quoted at from 1s. 6d. per lb.

ANISE. — Spot supplies are offered at from 7s. 3d. per lb. for original drums, and for shipment, 6s. 10½d., c.i.f.

BAY.—W. Indian is 9s. 6d. per lb. on the spot.

BERGAMOT. — Spot value is about 90s. per lb.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE.—Brazilian on the spot is 30s. per lb.

CLOVE.—Madagascar leaf on the spot is 11s. 6d. per lb., duty paid, and 8s. 6d. c.i.f. for shipment; redistilled, from 17s. 6d. per lb., spot.

DILL.—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot.

EUCALYPTUS. — Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 9d. per lb., and 80 to 85 per cent., 5s.

FENNEL. — Spanish sweet on the spot is quoted at from 8s. 6d. to 9s. per lb.

GERANIUM.—Firm. Bourbon on the spot is from 70s. per lb.

GINGER. — English-distilled oil is from 120s. per lb. Imported oils are available at from 85s. per lb.

HYDNOCARPUS. — Spot is offered at 2s. 2d. per lb.

JUNIPER BERRY. — Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 95s. per lb., as to seller and grade.

LAVANDIN. — Spot supplies are offered at 15s. per lb.

LEMONGRASS. — Firm. East Indian is from 7s. on the spot and 6s. 10½d. per lb., c.i.f.

OLIVE. — Pharmaceutical oil in drums is from 23s. per gall. on the spot. ex warehouse. French virgin (maximum acidity 1 per cent.) is offered for shipment at £265; Tunisian virgin and French pharmaceutical (maximum acidity 0.25 per cent.), at £255 per 1,000 kilos, c.i.f. London. Spanish, £221 10s. per metric ton, f.o.b., Spanish port.

PEPPERMINT. — *Arvensis*, Chinese oil is quoted on the spot at 32s. per lb. and Brazilian at 16s. Forward: Chinese, 29s.; Brazilian, 15s., both c.i.f. Italian "Mitcham" type oil, 49s. to 52s. 6d. per lb., as to quality, for original drums, delivered. Forward, 47s. 6d., c.i.f.

SPEARMINT. — Offers are from 62s. 6d. to 68s. per lb., as to holder.

FINAL REPORT ON "GENERAL" CHEMICALS, 1948

THE final report on the Census of Production for 1948 on the chemicals (general) trade was published recently by H.M. Stationery Office, price 4s. 6d. The report relates to establishments engaged wholly or mainly in the manufacture of miscellaneous chemicals and of synthetic resins and plastic materials. (Separate reports have already been published for establishments engaged in the manufacture of drugs and pharmaceutical preparations, disinfectants, insecticides and dyestuffs.) Nevertheless, there are a number of commodities dealt with in the report which are of interest to the pharmaceutical industry. Details of some of these are given in the accompanying table.

1948	PRODUCTION	SALES IN GREAT BRITAIN		EXPORTS	RETAINED IMPORTS	ENTRIES
		VOLUME	VALUE			
Acid salicylic, B.P. ...	'000 2,676 lb.	'000 1,571 lb.	£'000 140	'000 2,370 lb.	'000 2	6
Acid sulphuric (100%)	1,464.9 tons	1,134.3 tons	6,911	4.4 tons	—	76
Acid nicotinic ...	9 lb.	7.8 lb.	16	—	—	—
Ammon bicarbonate and carbonate ...	5 tons	5 tons	228	2.8 tons	—	5
Chloroform ...	3,993 lb.	3,204.8 lb.	319	386.6 lb.	—	13
Iodine ...	113.9 lb.	84.1 lb.	51	97.5	643.1	16
Potassium iodide ...	3.2 cwt.	3.8 cwt.	113	2.4 cwt.	—	—
Essential oils, synthetic ...	—	295 lb.	95	205.5 lb.	25.9 lb.	10
Magnesium sulphate, B.P. ...	11.6 tons	11.2 tons	189	—	—	8

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, February 9

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. Gösta Edman (professor of botany and pharmacognosy, Royal Pharmaceutical Institute, Stockholm, Sweden) on "Ash Pictures in the Identification and Assay of Vegetable Drugs"; and presentation of Hanbury Memorial Medal to Professor Edman.

COVENTRY AND WARWICKSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Hare and Squirrel Hotel, Coventry, at 7.30 p.m. Discussion on "The Draft Revised Statement on Matters of Professional Conduct."

NOTTINGHAM BRANCHES, PHARMACEUTICAL SOCIETY AND NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Medico-Chirurgical Hall, 64 St. James' Street, Nottingham, at 7.30 p.m. Mr. D. I. McCallum, M.C., M.B., Ch.B., D.P.H., M.R.C.P., on "The Problem of Therapy in Dermatology."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Reading of papers by members.

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Dorset café, Ocean Road, South Shields, at 7.30 p.m. Brains trust.

Tuesday, February 10

EDINBURGH AND SOUTH-EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.45 p.m. Mr. E. A. Brocklehurst (a member of the Society's Council) on "Pharmaceutical Values."

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, at 8 p.m. Lecture and demonstration on "Care of the Skin and the Use of Cosmetics" by Miss J. Farmer (J. & E. Atkinson, Ltd.).

PRESTON BRANCH, PHARMACEUTICAL SOCIETY, Bull and Royal Hotel, Preston, at 7.45 p.m. Members' "ten-minute papers."

TRADE MARKS

From the "Trade Marks Journal," January 21

For non-medicated toilet preparations (3)
OSTAKURL, 712,555, by Percy Kurland, London, N.W.11. ACTIVEEN, 711,660, by Dobb's of London, Ltd., London, W.1.

For all goods (3)
PVK on shield device, 708,220, by Paul V. Kutlak & Co., Ltd., London, S.W.14.

For perfumes, essential oils, cosmetics, hair lotions and dentifrices (3)
V. BOGOMOLETZ, 710,282, by Victor Bogomoletz, London, S.W.7.

For intravenous pharmaceutical solutions (5)
BAXTER, B693,126, by Baxter Laboratories of Canada, Ltd., Ontario, Canada.

For insecticides and fungicides (5)
PESTADIN, 704,649, by Pest Control, Ltd., Bourn, Cambs.

For pharmaceutical preparations (5)
VITORAIDS, 707,699, by Thos. Guest & Co., Ltd., Manchester, 4. V. BOGOMOLETZ, 710,283, by Victor Bogomoletz, London, S.W.7. BARQUINOL, 711,754, by Genatosan, Ltd., Loughborough, PARDROME, 711,965, by T. & H. Smith, Ltd., Edinburgh, COBETON, 712,254, by Boots Pure Drug Co., Ltd., Nottingham. OPTOFILT, 713,882, by Arthur Frederick Harris, London, S.E.25.

For analgesics in tablet form (5)
CODAN, 712,255, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical preparations, all containing sulphur or derivatives of sulphur (5)
THIOCYMETIN, 612,573-74, by Baycr Products, Ltd., London, W.C.2.

For insecticides (5)
TICTOX, 713,131, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical preparations for veterinary use (5)
WINLAM, 713,252, by Hodges & Moss, Ltd., Shrewsbury.

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, the Plough, Lewisham, London, S.E.13, at 7.30 p.m. Mr. F. E. Camps, M.D., on "Barbiturates and their Risks."

Wednesday, February 11

LONDON CHEMISTS' GOLFING SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Annual meeting.

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Queen's Hotel, Bishopston Lane, Stockton-on-Tees, at 7.45 p.m. Mr. T. Heseltine (vice-president of the Society) on "The Revised Suggested Code of Ethics and Matters of Moment in Pharmacy."

Thursday, February 12

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, department of pharmacy, School of Technology, Unity Street, Bristol, at 7.15 p.m. Film show by courtesy of Imperial Chemical Industries, Ltd. Films to include: "Birth of a Drug," "Man Against Insect" and "War Under the Microscope."

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY, boardroom, Royal Hospital, Chesterfield, at 8 p.m. Mr. W. J. Tristram (president of the Society) on "My American Journey."

DUNDEE AND EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Mathers Hotel, Whitehall Place, Dundee, at 7.30 p.m. Mr. E. A. Brocklehurst (a member of the Society's Council) on "Pharmaceutical Values."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropolitan Hotel, Leeds, at 7.30 p.m. Mr. H. Hebdon on "From Harewood Bridge to Hubberholme."

Advance Information

THE BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION is holding its 1953 annual conference in Sunderland, March 23-28.

For all goods (5)

Device of baby in guard's uniform, 712,585, by Lifeguard Products, Ltd., London, E.14. STYRION, 712,882, by Glaxo Laboratories, Ltd., Greenford. CENSEDYL, 713,107, by May & Baker, Ltd., Dagenham.

For surgical, medical and veterinary instrument (10)

SEMPERIT, 709,477, by Semperit Österreichisch-Amerikanische Gummiwerke A.G., Vienna, Austria.

From the "Trade Marks Journal," January 28

For photographic chemicals (1)
PHENIDOL, 708,704, by Ilford, Ltd., Ilford.

For coconut-oil hair-cream (3)
WARDA, B709,713, by Coulmac, Ltd., Liverpool.

For non-medicated toilet preparations (3)
QUATRE-VENTIS, 710,058, by Parfums Revillon, Paris, France. STARKLE, 713,454, by Robert Russell, Elham. VALROSA, 713,606, by the International Import and Export Corp., Ltd., Nassau, Bahamas.

For preparations for the hair (3)
POMMEL, 713,346, by Pompadour Laboratories, Ltd., Nottingham.

For all goods (5)
MELOZETS, 712,116, by Sharp & Dohme, Ltd., Hoddesdon. FERSAC, 712,727, by The British Drug Houses, Ltd., London, N.1. SOMBIS, 713,550, by Wigglesworth, Ltd., Westhoughton, Lancs.

For stockings, anklets, kneecaps, leggings, all of elastic; athletic slips, elastic band trusses, jock straps, suspensory bandages and belts, all being for surgical or curative purposes (10)
EESINESS, B711,592, by E. Sallis, Ltd., Nottingham.

For medicines containing pine extract (5)
PINIDRINE, 710,666, by Rouse of Wigmore Street, Ltd., London, W.1.

PRINT AND PUBLICITY

Booklets and Leaflets

THE ALLEN CHLOROPHYLL CO., LTD., Wharf Road, London, N.1: "The Nature and Uses of Chlorophyll," by Dr. William Mitchell. Pp. 12. Reprint of a lecture given to a meeting of the Société Française de Cosmétologie in Paris and published in the "Export Review of the British Drug and Chemical Industries," November 1952.

COENE PERE & FILS, rue de Progrès, No. 323, Bruxelles: 24-p. booklet on the essence, extract of essential oil manufacturing company's new Brussels factory.

DALMAS, LTD., Junior Street, Leicester. Dalmadumb-bell suture for first aid. Pp. 2. Nu-San dressing and Nu-San jelly. Pp. 2.

WILLIAM MASON & SON, LTD., Gelderd Road, Leeds, 12: "Shop," December 1952. Pp. 12. Magazine on shop-fitting.

LAPORTE CHEMICALS, LTD., 14 Hanover Square, London, W.1. Physical and chemical properties and uses of sodium perborate and percarbonate. 16 pp.

POLAK & SCHWARZ (ENGLAND), LTD., 50 Great Cambridge Road, Enfield, Middlesex: "Pentadecanolate" by M. G. J. Beets and H. v. d. Dool. Pp. 8.

TRUFOOD, LTD., Greenbank, London, E.1: "The Secondary Stage of Infant Feeding," Pp. 16. New edition.

WATFORD CHEMICAL CO., LTD., Copperfield Road, London, E.3: "The Molecule," No. 1, Christmas 1952. Pp. 32. House journal of the company and its associates.

Medical Propaganda

MANUFACTURERS' leaflets, folders, booklets, etc. directed to doctors but available to pharmacists.

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2: "Sulpenin" (indications and dosage card).

THE ANGLO-FRENCH DRUG CO., LTD., 11 Guilford Street, London, W.C.1: "Maxamin" (1-p. leaflet); "Encynex" (4-p. leaflet).

BRITISH SCHERING, LTD., Kensington High Street, London, W.8: "Oblivon," "Questions and Answers on Oblivon," "Albucid Nasal Drops" (4-p. leaflets); "Oblivon" (rocke blotter).

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: "Landrax" (8-p. booklet).

MENLEY & JAMES, LTD., Coldharbour Lane, London, S.E.5: "Furacin Ear Solution" (6-p. folder).

MINING & CHEMICAL PRODUCTS, LTD., Manfield House, 376 Strand, London, W.C.2: "Bismuth, Its Function and Uses," (16-p. booklet. Many illustrations, several in colour. Covers uses of bismuth in treatment of dyspeptic ulcer and colonic diseases).

SHARP & DOHME, LTD., Hoddesdon, Hert: "Procasenol" (8-p. folder); "Pentresamide" (6-p. folder).

WILLIAM R. WARNER & CO., LTD., Power Road, London, W.4: "Tyrosolven Lozenges" (4-p. leaflet).

Price Lists

MIDDLETON & CO., LTD., Boundary Road, Middlesbrough: Proprietary products. Pp.98 (loose leaf).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER LTD., Dagenham, Essex: Distribution of 1952 home edition of Medical Products Price List now complete. Additional copies may be obtained on request to the company.

THORNTON & ROSS, LTD., Linthwaite, Huddersfield: Packed pharmaceutical preparation specialities, and aids to dispensing. Pp. 2 (illustrated).

Price Lists Wanted

MUKHERJEE & SONS, P.O. Box 329, 3 Ez Street, Calcutta, India, seek price lists from British manufacturers of drugs, fine chemical proprietary medicines and specialities.



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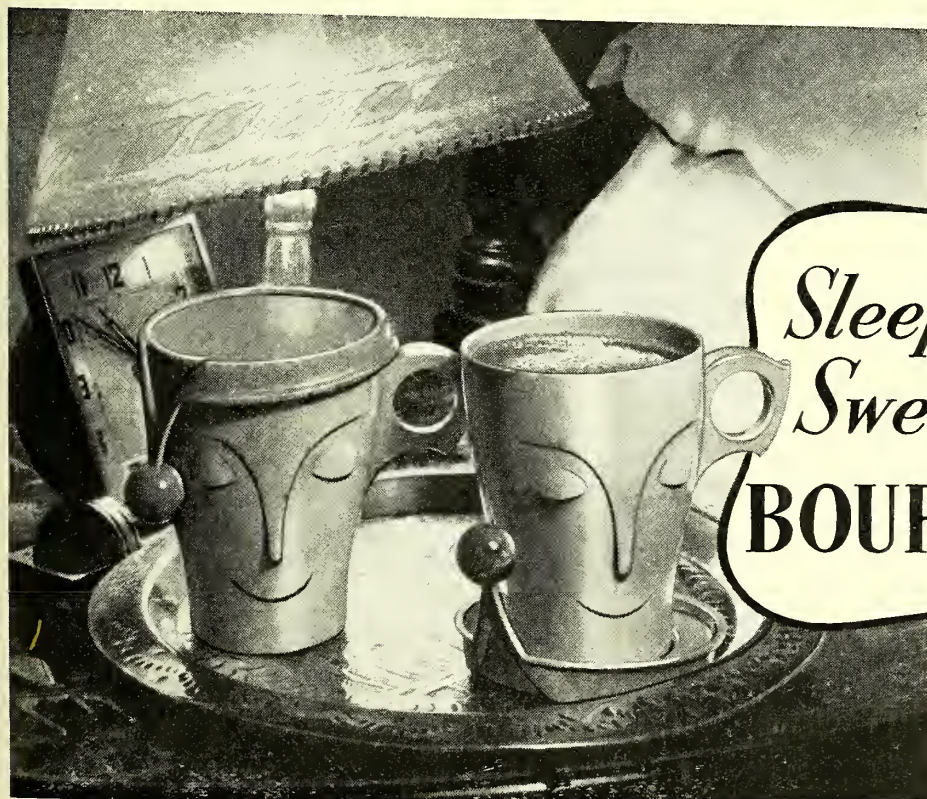
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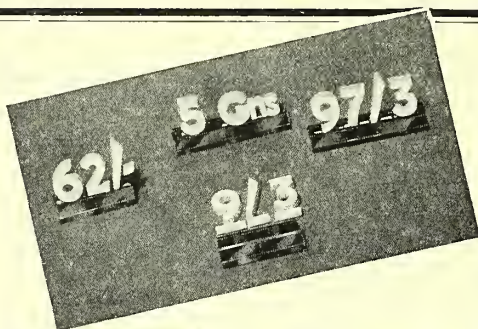
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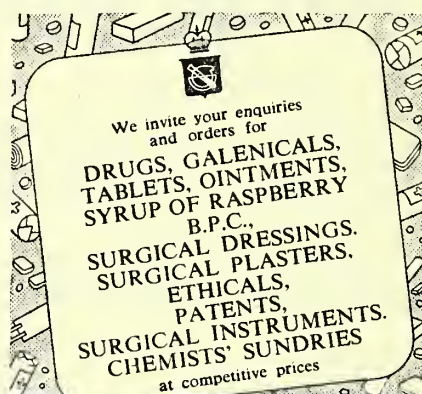
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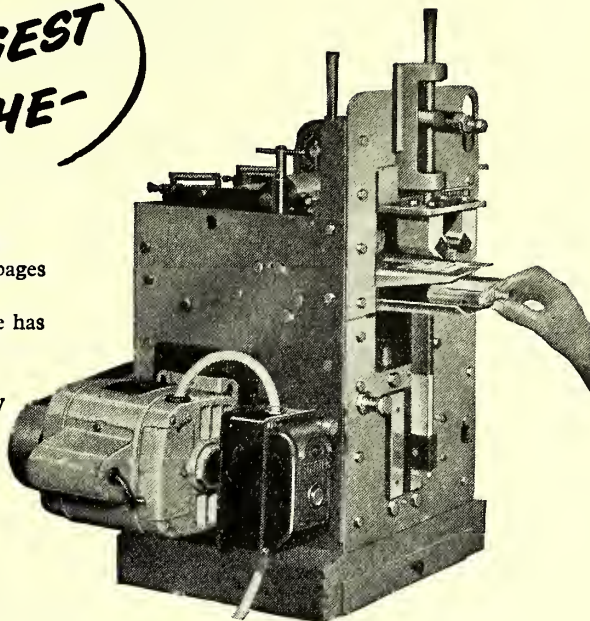


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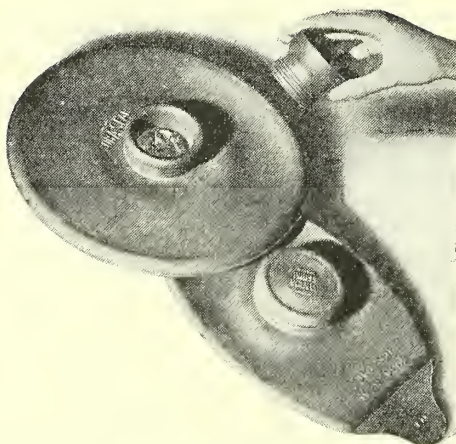


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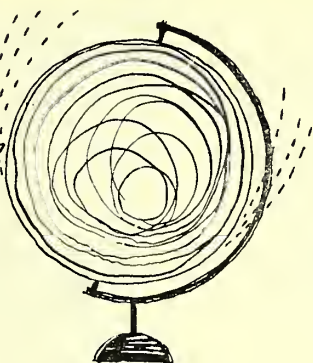


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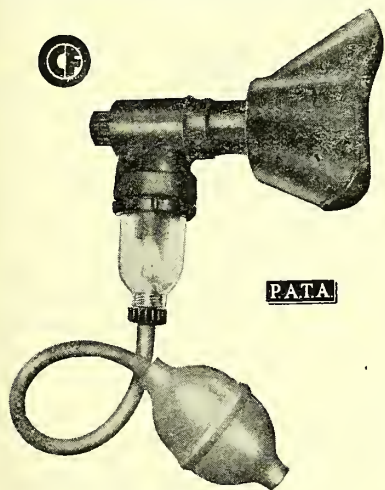
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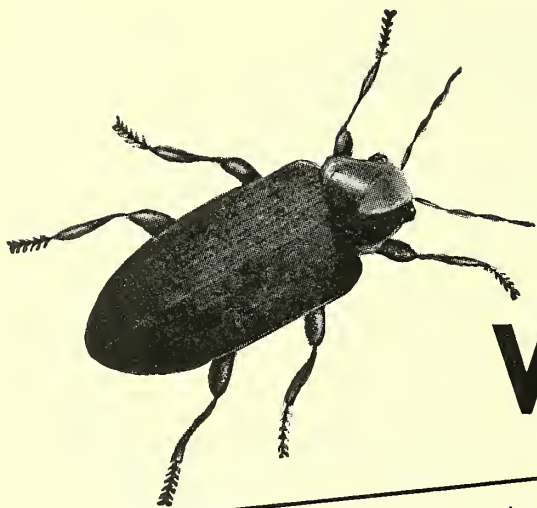
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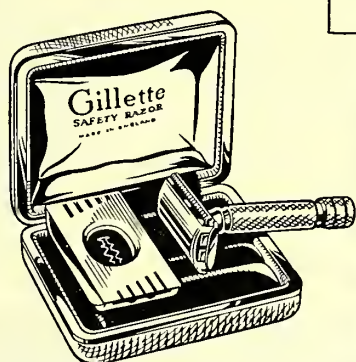
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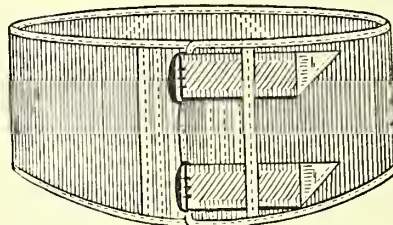
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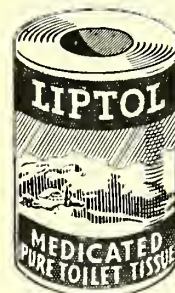
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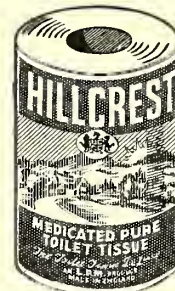


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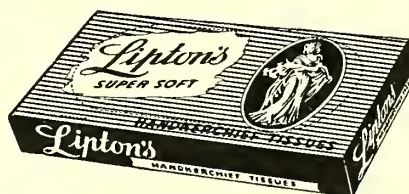


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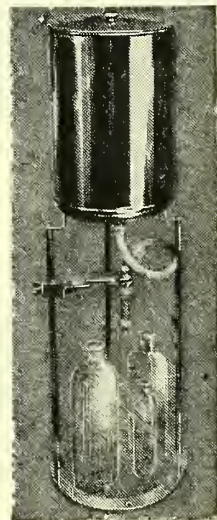
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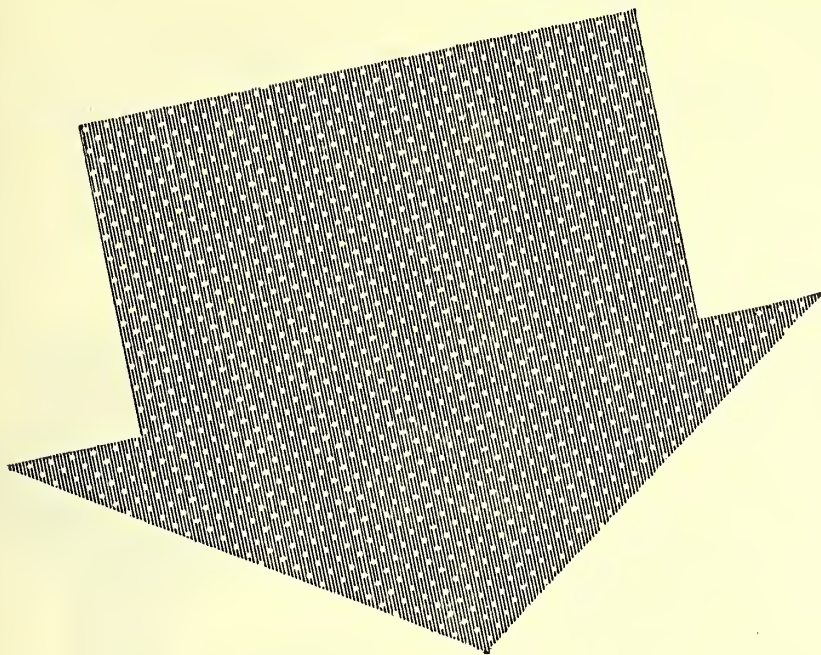


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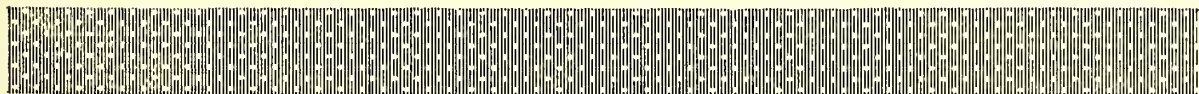


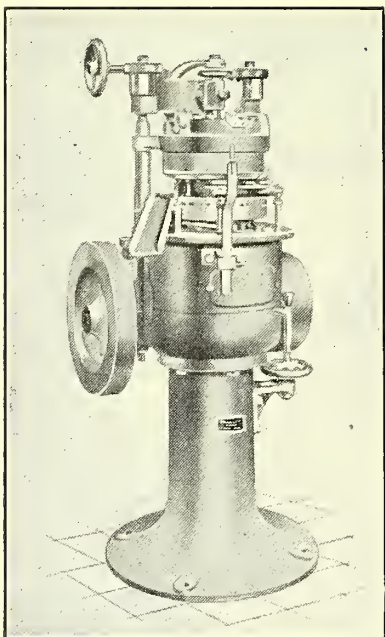
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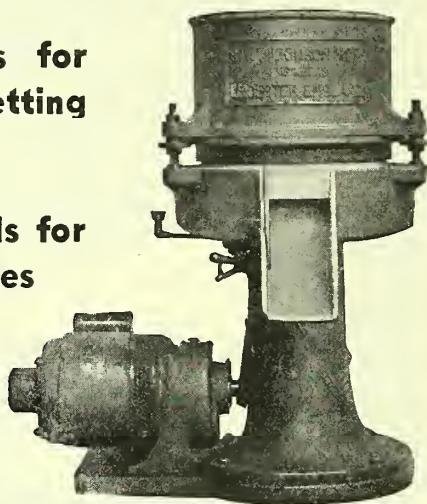


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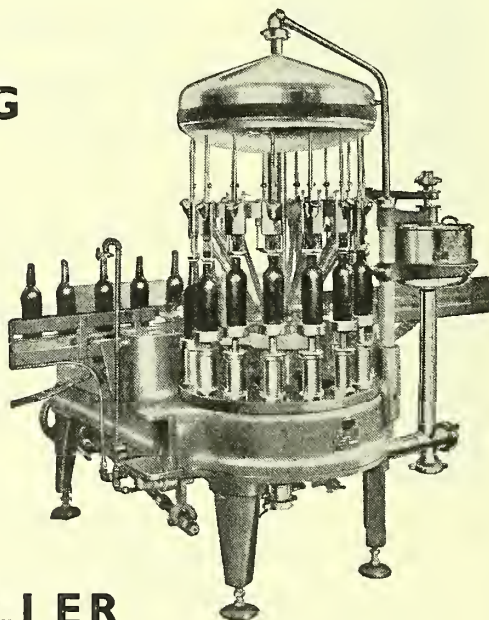
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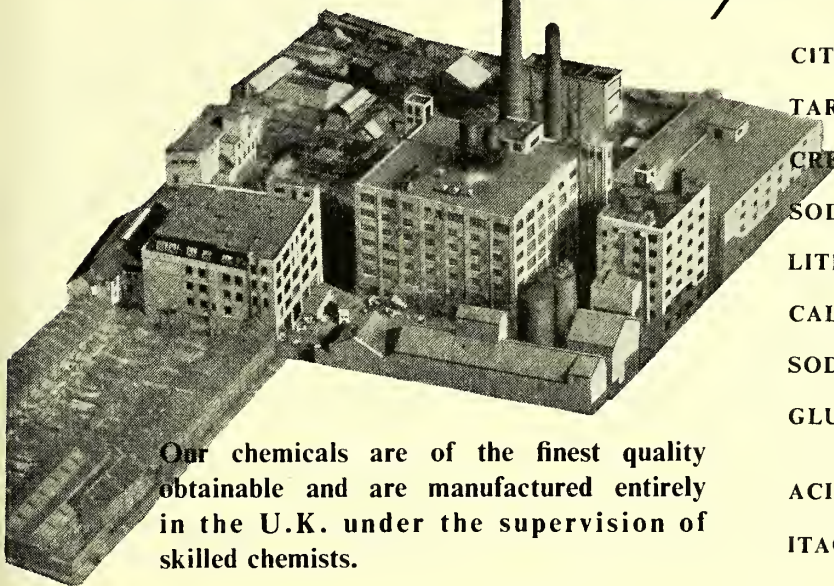
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LOCUM PHARMACIST (qualified) wanted immediately. Write Group Secretary. C 144

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Applications are invited from Members of the Pharmaceutical Society for the post of PHARMACIST at the above hospital. Salary £450 (at age 23) x £25-£575 p.a. An additional £25 p.a. will be paid to holders of a higher qualification viz. degree or diploma in pharmacy or a relevant field of science, A.R.I.C., Ph.C., etc. Whitley Council conditions of service and N.H.S. Superannuation. Applications, giving complete details of age, qualification, experience, date available and the names of two referees to be sent to the undersigned as soon as possible.

GEO. W. BATCHELOR,
Group Secretary.

20 Oxford Road,
Dewsbury. C 5028

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W. STANSFIELD,
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C 5002

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Applications are invited for the appointment of Senior Pharmacist at the above Hospital to supervise the production of sterile solutions and other preparations.

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The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

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GENATOSAN, LTD. (a member of the Fisons Group) require a trade representative to cover wholesale and retail chemists in Northern Ireland. This post, which is the result of a promotion, is superannuated and offers excellent prospects to a capable person. Good pharmaceutical background an advantage. Full personal details and summary of attainments and experience should be addressed to: The Personnel Officer, Genatosan, Ltd., 12 Derby Rd., Loughborough, Leicestershire. Please quote "S/TR." C 5011

MEDICAL REPRESENTATIVE with previous experience required immediately for Middlesex County by a well-established, progressive ethical house. The successful applicant will be expected to reside on the territory. Remuneration is by salary with all expenses paid. A company car is provided and a contributory pension scheme is in operation. Applicants are invited to apply in confidence giving full details of past experience. Apply Box C 5032.

OLD-ESTABLISHED HOUSE manufacturing tablets, pills and suppositories require a representative in the Midlands area to call on retail pharmacists. Only applicants of proven selling ability and capable of earning good remuneration on a commission basis should communicate. Apply, in writing, giving full details of age and experience. Strict confidence will be observed. Box C 5033.

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REPRESENTATIVE REQUIRED for North of England and Scotland by well-established manufacturers of chemists' sundries, selling branded goods of high repute to wholesalers. Salary, commission and expenses. Full details of experience, age, etc., to Lewis Woolf, Ltd., 144 Oakfield Rd., Birmingham, 29. C 5016

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S.W. LONDON AREA. A well-known ethical house requires the services of a first-class man for medical propaganda work on this territory. Previous experience desirable but candidates with thorough knowledge of territory and good pharmaceutical background are invited to apply. Our staff know of this advertisement. Box C 9952.

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WELL-KNOWN London wholesalers and sundriesmen require the services of a young qualified gentleman to control D.D.A. and to serve a period with view to future management of the company. All replies will be answered and treated in confidence. Full particulars to Box C 5029.

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PARKE, DAVIS & CO., LTD., have a vacancy for a young, single pharmacist as representative, based on Nairobi, to call upon doctors, hospitals and chemists in British East Africa. Appointment is pensionable, offers substantial scope and will be remunerated by salary, bonus and expenses. Comprehensive training will be given in this country, and those interested should write for an application form to the Foreign Sales Manager, Parke, Davis & Co., Ltd., Staines Rd., Hounslow, Middlesex. C 5005

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Established "ethical" house invites application from experienced representatives with knowledge of Doctors, Chemists and Hospitals in (a) Lancashire, (b) Yorkshire & N.E. coast, (c) South Scotland. Give full particulars of experience, particularly in area, salary required, etc. to Box C5009

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ETHICALS, drugs, patents, sundries, etc., etc. Stock pricing or similar job required. London. Box C 3173.

INDIA—PHARMACEUTICALS. Senior British Executive, now general manager of well-known British company dealing in fine and heavy chemicals and in the manufacture and marketing of pharmaceuticals, desires change. Please contact P.O. Box 6097, Bombay 5. C 3161

NORTH OF THAMES. Representative with excellent old-established connection, wholesale/retail, desires post. Agencies, reputable firms considered. Box C 3151.

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WANTED. Surplus or redundant merchandise, clearance goods of any description or discontinued lines. Cash immediately, no delay. Our representative will be pleased to call or, alternatively, please send samples with particulars, quantity and price. Lawrence Edwards & Co., 6-7 Wellington Close, Ledbury Rd., London, W.11. Telephone: Bayswater 4020. C 140

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TENDERS

MONMOUTHSHIRE COUNTY COUNCIL NATIONAL HEALTH SERVICE ACT, 1946 BULK PURCHASE OF DRUGS, DRESSINGS, ETC., FOR HEALTH CENTRE DISPENSARIES

Tenders are invited for the supply of drugs, dressings, etc., for the Authority's dispensaries situated at Rhymney, Tredegar, Ebbw Vale and Blaenavon, for the twelve months ending March, 1954. All drugs, medicaments, etc., must be of a quality, substance and standard demanded by the Official Standards. Forms containing the list of drugs, dressings, etc., may be obtained from the undersigned to whom they must be returned not later than February 28, 1953.

No tender will be received except in a plain envelope, which must be sealed and must bear the words "Tender for Drugs, Dressings, etc."; and shall not bear any name or mark indicating the sender.

The Council do not bind themselves to accept the lowest or any tender.

VERNON LAWRENCE,

Clerk of the Council.

County Hall,

Newport, Mon.
January 23, 1953.

C 5023

TRADE MARKS

THE TRADE MARKS set out below were assigned on 22nd August, 1952, by Anglo-American Pharmaceutical Company Limited, of Galen Works, 59 Dingwall Road, Croydon, to Biddle Sawyer and Company Limited of 4 Grafton Street, London, W.1. *without the goodwill of the business in which they were then in use.*

No.	Mark	Goods
223432	Kugloids	Chemical substances prepared for use in medicine and pharmacy.
286002	Tubelette	
289102	Iodolinc	
321206	Hux-Sal	
283834	Ner-vigor and label	Medicinal preparations for human use.
670606	Ner-Vigor and label	
335303	Ner-Vita	Liniments for human use.
318131	Wintogen	
372818	Wintogeno	Metal collapsible tubes.
406783	Betul-ol and label	
286437	Tubelette	Dusting powders (for toilet use).
377818	Zita	

C 3157

MISCELLANEOUS

THE GUILD OF DISPENSERS, Unregistered dispensers are urged to join their own active organisation which aims at statutory recognition. Membership 2s. 6d. only. Details: Secretary, Wm. Solomon, 41 Connaught Sq., Marble Arch, W.2. C 9945

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

1½ TONS triple-pressed stearine snow-white crystalline 130-31°. Box C 5006.

CAMERA REPAIRS

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Miscellaneous Sales—Continued

MODERN CHEMIST SHOP fittings, drug ranges, wallcases with frameless sliding doors, display counters and showcases; all styles of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters and Shop Front Builders, 14-16 Manchester St., Liverpool. C 141

SACCHARIN TABLETS. Government standard strength—packets of 100, 1-gross lots, 49s. gross, 5-gross lots 48s. 6d. gross. Special prices for larger quantities. Registered post by return. Agnew & Simpson, Ltd., 81-87 Oxford St., Glasgow, C.5. C 9991

FOR SALE. Gardner sifter mixing machine. Motor driven. New, spare set brushes. 14 lb. soluble essence of lemon (Wiltell) double. Offers. Graham, Smalthorne, Stoke-on-Trent. Phone: 84094. C 3155

OPAL JARS, various shapes and sizes from 1½ oz. to 4 oz. capacity in stock. Send full particulars with quantities and sizes required to United Novelties, Ltd., Legrave Street, Clapton, London, E.5. C 3158

POWDER MIXER FOR SALE, "Alite" type GM, motor drive 400/440/3/50. Capacity 400 lb. Chamber 58 in. x 23 in. x 27 in. deep, opening at bottom 6 in. x 6 in. F. J. Edwards, Ltd., 359 Euston Rd., London. C 5004

TALC AND BABY POWDER BOXES cardboard, 3 piece sprinkler top. 26 gross at 10s. gross. Round talc tins printed, 37 gross at 15s. gross. Face powder boxes, 500 gross at 6s. gross. Teats, modern type, 400 gross at 10s. gross. Carriage paid British port. Best offer for lot accepted. National Products Co., 10 Leinster St., Dublin. C 3150

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STOCKTAKING. Stockcards priced and completed speedily, accurately and at very competitive terms. Ten years' experience in the trade. G. D. Penfold, 18 Laburnum Rd., Garden City, Leicester. Telephone: Leicester 38384. C 3130

The C and D WEEKLY LIST OF PRICE CHANGES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 33½ per cent.; † = Tax 100 per cent.

ABBOIT LABORATORIES, LTD. (from February 2)
Abbicillin R/R No. 3862
1-dose 2 7½ R
5-dose 8 3 R
No. 3858 5-dose
Abbicillin 800 M
No. 3960 1-dose 8 0 R
No. 3954 5-dose 27 9 R
Butyn 2 per cent.
No. 3048 1-oz. 10 0 A
Nembutal powder
No. 3117 1-oz. 55 0 R
Nembutal suppositories
No. 3145 12 7 9 A
Nembutal veterinary solution No. 8612 20-c.c. 4 6 R
100-c.c. 16 0 R
Claims for credit for the difference in price of Abbicillin products must be made before February 15.

ALLEN & HANBURYS, LTD. (from February 2)
Chloramphenicol, B.P.
Alficytn brand 5-gm. 27 0 40 6 R
Alficytn capsules 0.25 gm. 12 18 0 27 0 R
100 143 4 215 0 R
dispensing size 1,000 1,384 10 R
Alficytn ear drops Doz. 10 6 R
10 per cent. 5-c.c. 84 0 10 6 R
Alficytn for eye drops 58 0 7 3 R
Prices of all other Alficytn preparations are unchanged.

P.A.T.A. PROTECTED LIST

Part 1

ELI LILLY & CO., LTD.
No. 69 Enseals PAS
0.5-gm. 100 116 0 14 6 R
Each 83 4 125 0 R
1,000
SCOTT & BOWNE, LTD. (from January 27)
Doz.
Halivite pills 30 31 6 3 6 A
50 45 0 5 0 A
100 74 3 8 3 A

Reintroduction:—
Halivite oil, 5-c.c. 31 6 3 6

Part 2

SOLPORT BROS., LTD. (purchase tax exemption)
Portia baby balance D.54 40 6 5 0 R
hammock D.57 42 6 5 3 R
Portia outfits D.60 (balance, hammock and free weight chart) will be supplied and invoiced separately at the above prices, loose. Free cartons are sent separately.

NEW PRODUCTS AND

PACKS

BAYER PRODUCTS, LTD.
Milibis vaginal tablets 25 7 4
100 22 8
250 54 0

CLAY & ABRAHAM, LTD.
Pc Vc Gel* 24 0 3 4

HALEX, LTD.
Duchess toilet set† 30 0
powder bowl† 2 11
toilet tray† 4 11
12 11

†The hairbrush, comb and clothes-brush are taxed at 33½ per cent., while the mirror is taxed at 100 per cent.

HODGES & MOSS, LTD. Each
Winlam, bottle 6 6
cartons of 1 doz. 50 0 75 0

M. & R. NORTON, LTD. (from about February 20)
Flodam beauty lotion† 8 6
15 0
temporary introductory size 3 6

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for January was 197

Cost		Item	Poison Class	4 oz.	1 oz.	1 dr.
d.	per			s. d.	s. d.	s. d.
75	lb.	Acacia pulv.		2 9	0 9	0 2
74	4 oz.	Balsamum Peruvianum		—	2 8	0 5
110	4 oz.	Barbitonum		—	4 0	0 7
49	oz.	Barbitonum sodium	R only	—	—	1 2
84	lb.	Camphora natural	R only	—	—	1 2
78	lb.	Cera emulsificans		3 0	0 10	0 2
34	dr.	Ephedrina	P.1.(8)	2 10	0 9	0 2
132	oz.	Ephedrine sulphas	P.1.(8)	per gr.	0 1½	5 0
98	4 oz.	Ext. ergotae liq. B.P.	S.1.(5)	—	3 6	0 6
90	lb.	Inf. caryophylli conc.		3 3	0 11	0 2
63	oz.	Ipecac. preparata		—	—	1 6
96	lb.	Liq. tolu. pro syr. 1 to 7		3 5	0 11	0 2
144	lb.	Ol. amygdala		5 2	1 6	0 3
37	oz.	Ol. cajuputi		—	5 5	0 10
48	oz.	Phenobarbitonum	R only	—	—	—
49	oz.	Phenobarbiton. sodium	R only	—	—	—

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